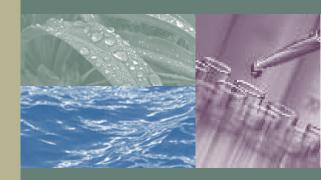


# PCB REMEDIATION COMPLETION REPORT

# **Davis Hall**



# woodardcurran.com

**COMMITMENT & INTEGRITY DRIVE RESULTS** 

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# 1. INTRODUCTION

This Polychlorinated Biphenyl (PCB) Remediation Completion Report has been prepared by Woodard & Curran on behalf of Amherst College in accordance with the Davis Hall Demolition PCB Remediation Plan submitted to the United States Environmental Protection Agency (EPA) on June 19, 2012 as modified with a July 30, 2012 modification submittal. PCB remediation activities were conducted in accordance with the remediation plan and subsequent email correspondence with the EPA.

## 1.1 SITE DESCRIPTION

Davis Hall was a two-story residence hall with a basement, originally constructed in 1963. The first and second floors consisted of student dormitory suites. Common areas, storage space and recreational areas were located in the basement of the building.

Davis Hall was located within the eastern portion of the Amherst College campus. Surrounding ground surfaces sloped away from the building on the east and south sides of the building. Ground surfaces are covered with asphalt pavement, concrete, or landscape materials. A Site Location Map is provided as Figure 1-1 below.

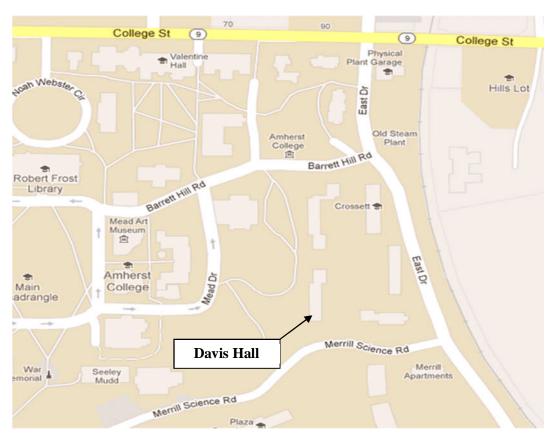


Figure 1-1: Site Location Map

# 1.2 SITE BACKGROUND AND CHARACTERIZATION

Davis Hall was originally constructed in 1963, during a time period when PCBs were sometimes used in certain building materials (e.g., caulking). In preparation for the building demolition project, Woodard and Curran conducted a building wide inventory and characterization sampling program for suspected PCB-containing materials. Results of



this inventory indicated that PCBs were present at concentrations ≥ 50 ppm in caulking along door frame to masonry joints of eleven suite doors in the north main stairwell and one basement door on the south elevation. Caulking along the frame to masonry joints of the twelve doors was reported to contain PCBs at concentrations of 190 and 59.1 ppm. Additional caulking materials were identified as containing PCBs at concentrations < 50 ppm and were determined by Amherst College to meet the definition of an Excluded PCB Products. In addition, caulking installed in the early 1990's along frame to masonry joints of two windows in the north main stairwell contained PCBs at concentrations > 1 ppm.

Based on the limited presence of  $\geq$  50 ppm PCB-containing caulking, the remediation of these materials and building materials impacted by PCBs was to be conducted as a performance-based disposal in accordance with 40 CFR 761.62(a) (caulking as a PCB Bulk Product Waste) and 40 CFR 761.61(b) (impacted building materials as PCB Remediation Wastes) with disposal of all generated waste materials at Environmental Quality's Wayne Disposal facility in Belleville, Michigan. However, during the verification sampling process (conducted in accordance with 40 CFR 761 Subpart O), the extent of PCBs at concentrations > 1 mg/kg in concrete materials away from the basement door was not able to be determined through verification sampling. Based on these results, the potential for another source of PCBs in the basement was investigated.

As an initial step, an inspection and survey within the basement area was conducted to identify painted and non-painted surfaces. The paint was observed to be in excellent condition, adhering to the concrete and CMU block with no evidence of chipping or flaking. The inventory of masonry surfaces indicated the following:

- Approximately 230 linear feet (I.f.) of concrete foundation throughout the basement was observed to be painted (approximately 90 I.f. of foundation was observed to not be painted). Based on a height of 8' 2" and a thickness of 9", this corresponds to a total of 1,409 cubic feet (ft³) of painted concrete, or approximately 120 tons (including a 15% contingency);
- Approximately 307 I.f. of CMU block wall was also observed to be painted with a visually similar type of paint
  as the poured concrete walls. Based on a height of 8' 2" and a thickness of 1', this corresponds to a total of
  2,508 ft3, or approximately 70 tons (including a 15% contingency); and
- Approximately 1,875 square feet of the concrete ceiling was observed to be painted. Based on a thickness
  of 1 foot, this corresponds to approximately 160 tons of material (including a 15% contingency).

To determine the presence and concentration of PCBs in the paint, two paint samples were collected by scraping paint from the concrete foundation wall (1 sample) and from the painted concrete ceiling (1 sample). Analytical results indicated that PCBs were present at concentrations of 226 and 79 ppm, respectively with Aroclor 1254 and 1260 reported in both samples.

To determine if PCBs had migrated from the paint into the underlying concrete, one sample of concrete foundation wall and one sample of CMU block were collected following removal of paint from two test areas using a commercially available paint removal product. Results of this sampling indicated that PCBs were detected at much lower concentrations; however, PCBs were present in the samples at concentrations slightly > 1 ppm (total PCBs reported as Aroclor 1254 and reported at concentrations of 1.1 and 1.7 ppm).

Representative samples of the waste stream (full wall thickness cores) were also collected at three locations for PCB analyses (2 poured concrete walls and 1 CMU wall) to support the waste profiling and facility acceptance of this material. Analytical results indicated that PCBs were non-detect (< 0.033 ppm) in both samples of the painted concrete foundation walls and present at a concentration of 1.39 ppm in the painted CMU block wall sample.

Given that the paint was identified as the source of the PCBs and that data collected did not demonstrate a release of PCBs into the coated materials (i.e., concrete and CMU block), painted concrete and CMU block materials were designated for off-site disposal as PCB Bulk Product Waste in accordance with 40 CFR 761.62. All characterization



data was subsequently submitted to EPA as part of the Remediation Plan submittal.

# 1.3 PROJECT TIMELINE

The following list provides a summary of the major activities conducted and document submittals prepared as part of the PCB remediation activities conducted as part of the Davis Hall demolition project including the removal and offsite disposal of PCB-containing caulking and adjacent building materials associated with 12 doors and the removal and off-site disposal of PCB-containing paint and coated concrete materials within the basement.

- Initial Site Inspection and Characterization Sample Collection March 22, 2012;
- PCB Remediation Plan Submitted to EPA

   June 19, 2012;
- PCB Remediation Activities for Interior Doors and Windows within the North Stairwell June 18 and 19, 2012;
- Plan Modification submitted to EPA July 30, 2012;
- Authorization received vie email from EPA for disposal of basement materials as PCB Bulk Product Waste July 30, 2012;
- Demolition of Painted Basement Materials for disposal as PCB Bulk Product Waste Commences July 30,2012;
- Demolition of Painted Basement Materials for disposal as PCB Bulk Product Waste Completed August 8, 2012:

## 1.4 PROJECT TEAM

The remediation project team consisted of the following parties:

- Amherst College Owner;
- Whiting-Turner Contracting Company General Contractor;
- NCM Demolition and Remediation, LP Remediation Contractor (asbestos and PCB removal);
- S & R Corporation Site Work Contractor
- Woodard & Curran PCB Remediation Consultant



# 2. REMEDY IMPLEMENTATION

This section describes the PCB cleanup and disposal activities conducted in accordance with 40 CFR 761.62 and 761.61(b) for the north stairway doors and windows, basement door, concrete foundation walls, concrete masonry unit (CMU) block walls, and the basement ceiling in accordance with the Davis Hall PCB Remediation Plan, dated June 19, 2012 with modifications.

The remedial approach consisted of the following:

- Door Caulking Caulking associated with the eleven suite doors in the north stairway and one basement
  door on the south building elevation was identified as containing ≥ 50 ppm PCBs. The caulking, door
  frames and components, and adjacent building materials to a distance of 4.5 inches from the caulked joints
  were removed for disposal as ≥ 50 ppm PCB wastes;
- Window Caulking Caulking along vertical joints of the two windows in the north stairwell was identified as containing > 1 ppm PCBs. Because of the reported date of installation (early 1990's), the project team elected to manage the materials as ≥ 50 ppm PCB-containing caulking. Window caulking, window frames and components, and building materials to a distance of 4.5 inches from the caulked joint were removed for disposal as ≥ 50 ppm PCB wastes; and
- Basement Paint Paint on basement foundation walls, CMU block walls, and basement ceiling materials
  was identified as containing ≥ 50 ppm PCBs. The paint and the coated concrete and CMU block materials
  were removed for disposal as PCB Bulk Product Waste.

A summary of completed activities including, site preparations and controls, PCB impacted material removals, inspections and verification sample collection, and material disposal is presented in the following sections.

# 2.1 NORTH STAIRWAY DOORS AND WINDOWS AND BASEMENT DOOR

Caulking and adjacent building materials materials associated with eleven suite doors in the north stairway, two windows in the north stairway, and one basement door on the south building elevation was removed for off-site disposal as  $\geq$  50 ppm PCB containing materials. The locations of the doors are depicted on Figures 2-1 through 2-3.

# 2.1.1 Site Preparation and Controls

Prior to initiating remediation activities associated with the removal of the twelve doors and the two windows, NCM implemented site controls to limit access to the remediation area and reduce potential exposures. Access to the building was controlled through temporary fencing installed as part of the larger demolition project site controls. Polyethylene containment and negative pressure controls were established in the north stairwell and around the basement door. The work areas and entrances to the containments were posted as PCB remediation areas for authorized personnel only. During removal activities, dust was controlled using wet techniques and HEPA vacuuming of the work areas. To confirm dust controls were adequate, a round of dust monitoring was conducted on June 19th during active removal. Dust readings outside the controlled work areas were consistent with background readings. Results of dust monitoring are presented in Appendix A.

# 2.1.2 Removal Activities

Following the establishment of negative pressure within the work area containment, NCM utilized hand tools (prybars, chisels, sledge hammers etc) and pneumatic tools to remove all caulking, window/door frames and the PCB-impacted adjacent materials. All door/window frames and components (including glass) were double-wrapped at the point of removal and labeled as PCB waste. Following door and window removal, adjacent building materials were removed as follows:



- North Stairway Doors Brick materials to a distance of 4.5 inches from vertical joints (i.e., the first half-row of brick) and the first row of brick above the eleven suite doors in the north stairway were removed for disposal as ≥ 50 ppm PCB waste. In some areas, doors were located immediately adjacent to each other (see Figures 2-1 and 2-2). In these instances; all materials between the pair of doors were removed for disposal as ≥ 50 ppm PCB waste;
- North Stairway Windows The first row of brick materials along the vertical window frame joints of the two north stairway windows was removed for disposal as ≥ 50 ppm PCB wastes; and



Second Floor Stairway Door Openings Following
Door Removal

• Basement Door – Concrete materials to a distance of 4.5 inches from the vertical and horizontal joints were removed for off-site disposal as ≥ 50 ppm PCB wastes.

All PCB impacted debris was collected and placed into lined and labeled 55-gal steel drums at the point of removal and transferred to the temporary waste storage area within the building.

# 2.1.3 Verification Sampling

Prior to removal, verification samples of adjacent building materials were collected at a frequency of one sample per five linear feet (I.f.) of caulked joint in accordance with 40 CFR 761 Subpart O verification sampling frequencies. Verification samples were collected from a depth of 0 to 0.5 inches in accordance with the EPA Region I Standard Operating Procedure for Sampling Porous Surfaces for PCBs (May 2011). Samples were transported to Analytics Environmental Laboratory of Portsmouth, New Hampshire and Con-Test Analytical Laboratory of East Longmeadow, Massachusetts under standard chain of custody procedures. Samples were extracted using USEPA Method 3540C (Soxhlet extraction) and analyzed for PCBs using USEPA Method 8082.

A summary of the samples collected and the analytical results is presented below.

- North Stairway Doors Verification samples were collected from brick materials at a distance of 4.5 inches
  from the caulked joints at interior door frames prior to the removal of caulking, door frames, and the adjacent
  materials. A total of 26 verification samples were collected at a frequency of one sample per five linear feet.
  A summary of the verification sample results is as follows:
  - o PCBs were reported as non-detect (< 0.10 ppm) in eleven of the samples; and
  - o PCBs were reported at concentrations < 1 ppm in 15 of the samples with an average reported concentration of approximately 0.3 ppm.
- North Stairway Windows Verification samples were collected from brick materials at a distance of 4.5 inches from the vertical caulked joints at interior door frames prior to the removal of caulking, door frames, and the adjacent materials. One sample was collected from brick materials along each vertical joint for a total of four samples. Analytical results reported PCBs at concentrations of 0.11, 0.12, 0.236, and 0.901 ppm; and



 Basement Door – Based on the disposal of painted concrete foundation wall surrounding the door as PCB Bulk Product Waste in accordance with 40 CFR 761.62, verification samples of the concrete foundation wall surrounding the basement door were not collected.

Based on these results, all caulking, window and door frame components (including glass), and masonry materials in direct contact with the caulking to a distance of 4.5 inches from the caulked joints were removed for off-site disposal as ≥ 50 ppm PCB waste. Verification sample results are presented in Table 2-1. Analytical results and sample locations are presented on Figures 2-1 through 2-3. Complete analytical laboratory reports are provided in Appendix B.

# 2.1.4 Equipment Decontamination and Waste Management

Upon completion of all remediation activities associated with the north stairwell windows and doors and the basement door, window and door frames and components were wrapped in two layers of polyethylene sheeting at the point of generation and placed in the temporary waste storage area within Davis Hall. Adjacent building materials and all disposable materials and equipment was placed into lined, labeled open-top 55-gal drums. All non-disposable equipment was decontaminated by the double wipe method using rags dampened with diesel fuel, which were then placed into the PCB waste drums (no free liquids were generated during decontamination).

Prior to demolition of the building, the drums were transferred by the Environmental Health and Safety Department to Amherst College's hazardous waste storage area until transferred off-site for disposal.

# 2.2 BASEMENT DEMOLITION

Paint on portions of the basement foundation walls, basement CMU block walls, and the basement ceiling was identified as PCB Bulk Product Waste. The paint and the materials coated by the paint were removed for off-site disposal as PCB Bulk Product Waste in accordance with 40 CFR 761.62. A summary of the removal activities is presented in the sections below.

Prior to demolition of the basement, the upper portions of the building were removed for off-site disposal as asbestos containing material (ACM) based on the presence of asbestos in waterproofing materials on the inside of the first and second floor exterior walls. Based on the concern of ACM potentially falling into the basement area during removal of the upper floors and the relative consistent costs associated with disposal of materials identified as containing PCBs and/or ACM (PCB and ACM materials were to be shipped for disposal to the same facility), the project team determined that surgical removal of the basement ceiling and walls for waste segregation was not warranted due to the schedule implications of such segregation.

As such, the demolition of the basement foundation walls, CMU block walls, and concrete ceiling was conducted in a single event and materials were not segregated into individual waste streams. All basement materials were removed for off-site disposal as PCB Bulk Product Waste and ACM.

# 2.2.1 Site Preparation and Controls

Prior to demolition and removal of the Davis Hall building, the surrounding area was isolated using temporary fencing and signage. Access to the demolition site was controlled through a single gate located to the south of Davis Hall. During demolition of the building, dust was controlled through systematic demolition (removal of small areas of the building at one time) and the use of water hoses to keep the materials damp and eliminate visible dust.

Dust monitoring was conducted at the work zone perimeter in the downwind direction in accordance with Attachment 2 of the PCB Remediation Plan. A direct reading particulate meter (Thermo Electron Inc PDR 1000-AN) was used to monitor total dust concentrations at a background location and at up to three stations surrounding the work areas at a frequency of every two hours during active removal. No exceedances of the project action level were observed during demolition activities. Results of dust monitoring are presented in Appendix A.



# 2.2.2 Material Demolition and Off-Site Disposal

S & R Corporation (S & R) was sub-contracted by NCM for all building demolition activities. The basement area materials were removed in a systematic manner. Demolition of the ceiling and walls was performed with an excavator equipped with a wrecking ball to knock the materials into the foundation (i.e., within the footprint of the building and on the foundation slab) to eliminate potential impacts to the surrounding ground surfaces. As sections were demolished, a bucket equipped with a grasping attachment was used to live-load the materials or to move them, within the footprint of the building, to allow for additional demolition. Water hoses were used to control dust during demolition and loading operations; however, free standing liquids were not generated during dust control (i.e., materials were kept damp).

Building demolition debris was loaded into double-lined 65-yard dump trailers for off-site disposal as PCB bulk product waste with ACM. At the end of each shift, all materials not loaded for off-site disposal were kept within the building footprint and covered with polyethylene sheeting.



# 3. DATA USABILITY ASSESSMENT

This data quality and data usability assessment has been conducted to review the analytical results from samples collected in support of the remediation and verification activities. Data validation and review was conducted by Woodard & Curran and a third-party validator, Data Check, Inc. of New Durham, New Hampshire. This review included a check of field documentation including sample collection and preservation methods, a check of the laboratory data and documentation, a review of the internal laboratory QA/QC procedures and results including surrogate recoveries, blank results, matrix spike (MS) and matrix spike duplicate (MSD) results, laboratory control standard (LCS) and laboratory control standard duplicate (LCSD) results, and an evaluation of sample holding times, and field duplicate results. Data Check's data validation summaries are provided in Appendix B.

A summary of the data usability assessment for the data is presented below:

- All samples were extracted by USEPA Method 3540C (Soxhlet Extraction) and analyzed for PCBs by USEPA Method 8082.
- Consistent procedures and laboratory analysis of the data were achieved. Sample containers were packed
  on ice and delivered to the laboratory under standard chain of custody procedures. All samples were
  extracted and analyzed within allowable holding times for the method.
- Some samples were received at the laboratory below the acceptable temperature range (4° Celsius +/- 2°). However, the samples were not frozen and no qualifications were applied.
- The data packages were reviewed to ensure that all sample and associated quality assurance results were available. Results of the completeness review indicated that all collected samples were analyzed and all quality control results were available to complete the data validation process.
- Some samples were analyzed at dilutions due to the concentration of PCBs present in the samples and/or
  due to sample matrix. Elevated quantitation limits are reported in these samples as a result of the dilutions;
  however all limits were below target cleanup levels.
- Two field duplicate samples were collected during the verification sampling events to evaluate the precision
  of the verification sample results. Relative percent difference (RPD) between the primary and associated
  duplicate samples met the acceptance criteria.
- The RPD between sample column results for individual samples were evaluated to evaluate the precision of the results. The RPD between sample column results were evaluated and determined to be within the acceptance criteria (≤ 25 %) with the exception of two samples. Aroclor 1254 results from these samples were estimated based on this evaluation.
- Accuracy of the analytical data was assessed by reviewing the recoveries for MS, MSD, surrogates, LCS, and LCSD. Surrogate recoveries were identified outside the acceptance limits for one of the samples; however, results were not qualified due to only one of the two surrogates being outside acceptance limits.
   RPD for the LCS/LCSD met acceptance criteria with the exception of one sample; however, since the RPD on the secondary column and all recoveries were within acceptable limits, no qualifications were applied.
   RPD between MS/MSD samples met the acceptance criteria.
- No analytes were detected in the method blanks or the field blank samples collected during the sampling events.

Based on this review, the data adequately represents the materials tested, and the samples are considered usable for the purposes of verifying remediation efforts in accordance with 40 CFR Part 761.



# 4. WASTE STORAGE, DISPOSAL, AND EQUIPMENT DECONTAMINATION

Waste storage and disposal activities were completed in accordance with the requirements of 40 CFR 761.61(b) and 761.62 as described in the PCB Remediation Plan with modification.

Materials generated from the removal of the north stairway doors and windows and the basement door were managed for disposal as ≥ 50 ppm PCB wastes with asbestos. Door and window frames and components were wrapped in two layers of polyethylene sheeting. Masonry materials, disposal tools and equipment, and decontamination materials were placed into lined, 55-gallon drums in accordance with 40 CFR 761.65. All materials were labeled at the point of generation in accordance with 761.40 and immediately transferred into the temporary hazardous waste storage area within the building. Prior to building demolition, the waste materials were transferred to Amherst College's hazardous waste storage area and transferred into a single lined roll-off container. Approximately 3.5 tons of waste materials were transported off-site to Environmental Quality's Wayne Disposal Landfill in Belleville, Michigan under hazardous waste manifest.

Materials generated during building demolition, including coated basement wall and ceiling materials were shipped off-site for disposal as PCB Bulk Product Waste and ACM. Approximately 1,200 tons of materials were loaded into 65 yard dump trailers during demolition for off-site transportation and disposal to Minerva Enterprise's facility in Waynesburg, Ohio as PCB Bulk Product Waste and ACM.

Copies of all PCB waste shipment records including hazardous waste manifests with certificates of disposal and waste shipment records for PCB Bulk Product Waste materials are provided in Appendix C.



# 5. SUMMARY AND CONCLUSIONS

The PCB remediation activities described in this Report have been performed in accordance with the requirements of 40 CFR 761.62 and 761.61(b) for the north stairway windows and doors, south elevation basement door painted concrete foundation walls, CMU block walls, and concrete ceiling as described in the PCB Remediation plan submitted to EPA on June 19, 2012 as modified.

## In summary:

- Approximately 3.5 tons of bulk PCB waste (caulking, door and window frames and components, and adjacent building materials) were removed for off-site disposal as ≥ 50 ppm PCB wastes and ACM at Environmental Quality's Wayne Disposal Landfill in Belleville, Michigan.
- Approximately 1,200 tons of building materials, including coated basement concrete and CMU block materials, were removed for off-site disposal as Bulk Product Waste and ACM at Minerva Enterprise LLC's Waynesburg, Ohio facility.

Following completion of PCB remediation activities and building demolition, the work area was restored through backfilling, grading, and seeding to match the surrounding area. No additional remedial activities are required to be conducted.

# Table 2-1 Summary of Building Material Verification Sampling Results

# Davis Hall Amherst College

			Distance	Aroo	clors	
Location	Sample Date	Sample ID	from joint (inches)	1254	1260	Total PCBs
			(IIICHES)			(ppm)
North Stairwell Suite Do						
Room 204	4/10/2012	DH-VBB-021	4.5	0.182	0.189	0.371
1100111 20 1	6/15/2012	DH-VBB-044	4.5	< 0.10	< 0.10	< 0.1
Room 203	4/10/2012	DH-VBB-022	4.5	0.045	0.049	0.094
100111 200	6/15/2012	DH-VBB-045	4.5	< 0.095	< 0.095	< 0.095
Room 201	4/10/2012	DH-VBB-024	4.5	0.111	0.117	0.228
100111 201	6/15/2012	DH-VBB-046	4.5	< 0.091	< 0.091	< 0.091
Room 202	4/10/2012	DH-VBB-025	4.5	0.078	0.098	0.176
100111 202	6/15/2012	DH-VBB-047	4.5	< 0.091	0.12	0.12
Janitor Closet,	4/10/2012	DH-VBB-027	4.5	0.092	0.103	0.195
second floor landing	6/15/2012	DH-VBB-049	4.5	< 0.10	< 0.10	< 0.10
second floor failuring	6/15/2012	DH-VBB-048	4.5	< 0.10	< 0.10	< 0.10
Room 104	4/10/2012	DH-VBB-028	4.5	0.099	0.107	0.206
	6/15/2012	DH-VBB-050	4.5	0.12	< 0.095	0.12
	6/15/2012	DH-VBB-051	4.5	0.15	< 0.095	0.15
	4/10/2012	DH-VBB-029	4.5	0.189	0.222	0.411
Room 101	6/18/2012	DH-VBB-052	4.5	< 0.10	< 0.10	< 0.10
	6/18/2012	DH-VBB-053	4.5	< 0.095	< 0.095	< 0.095
Janitor Closet,	4/10/2012	DH-VBB-030	4.5	0.069	0.084	0.153
first floor landing	6/18/2012	DH-VBB-054	4.5	< 0.10	< 0.10	< 0.10
Decement Common	4/10/2012	DH-VBB-031	4.5	0.127	0.152	0.279
Basement Common	6/18/2012	DH-VBB-055	4.5	< 0.095	< 0.095	< 0.095
Area	6/18/2012	DH-VBB-056	4.5	< 0.10	< 0.10	< 0.10
Children Charage	4/10/2012	DH-VBB-033	4.5	0.277	0.335	0.612
Student Storage	6/18/2012	DH-VBB-058	4.5	0.33	0.4	0.73 J
Mechanical Room	4/10/2012	DH-VBB-032	4.5	0.269	0.391	0.66
wechanical Room	6/18/2012	DH-VBB-059	4.5	< 0.095	< 0.095	< 0.095
North Stairwell Window	'S					
Top floor- west elevation	4/10/2012	DH-VBB-023	4.5	0.105	0.131	0.236
Top hoor- west elevation	6/18/2012	DH-VBB-057	4.5	0.12	< 0.10	0.12 J
Landing between first	4/10/2012	DH-VBB-026	4.5	0.437	0.464	0.901
and second floor	6/18/2012	DH-VBB-062	4.5	< 0.10	0.11	0.11

# Note:

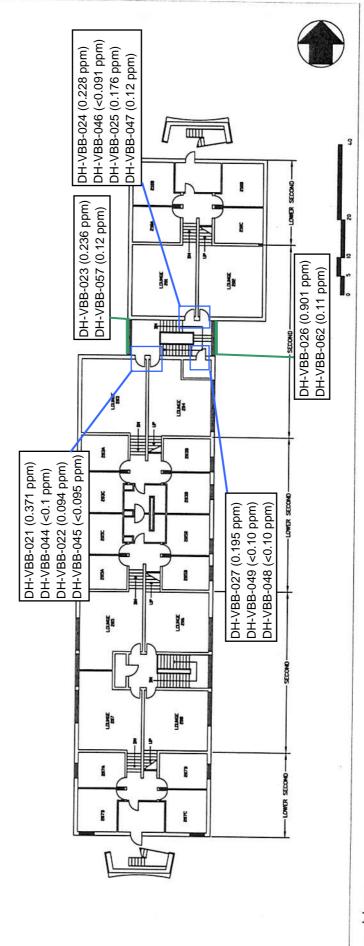
Samples collected from a depth of 0 to 0.5 inches in accordance with EPA Region 1 SOP for Sampling Porous Surfaces for PCBs (May 2011).

Samples extracted via USEPA Method 3540C and analyzed for PCBs via USEPA Method 8082. All PCBs reported as Aroclor 1254 and Aroclor 1260. No other Aroclors reported above the minimum laboratory reporting limits.

J = Analytical results qualified as estimated . Additional information provided in Appendix B.

Figure 2-1 Verification Sample Locations - Second Floor

# Davis Hall Demolition Amherst College Amherst, Massachusetts



DAVIS HALL

SECOND FLOOR PLAN

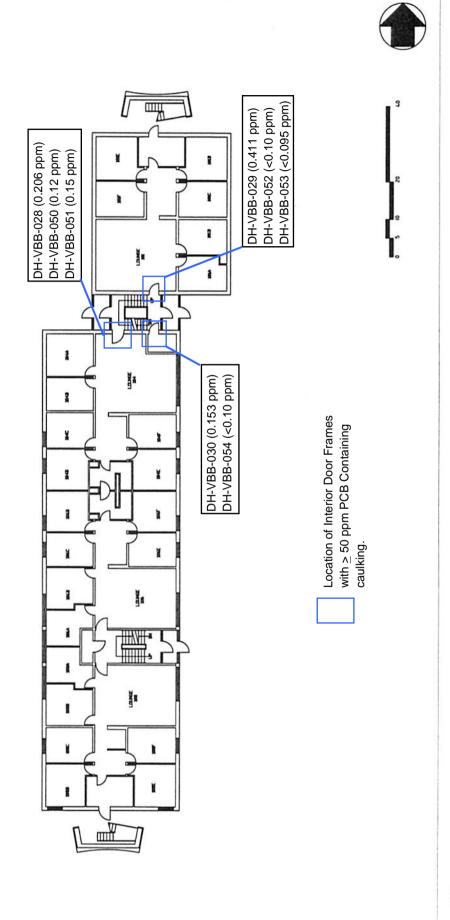
Location of Interior Door Frames with  $\geq 50$  ppm PCB Containing caulking.

Location of Windows with PCB-containing caulking managed as > 50 ppm PCB waste.

10.23.06 SCALE: 1/16"=1"-0" @ IIXI7

DRAWN BY: CMM Source Data: Amherst College

# Davis Hall Demolition Amherst College Amherst, Massachusetts



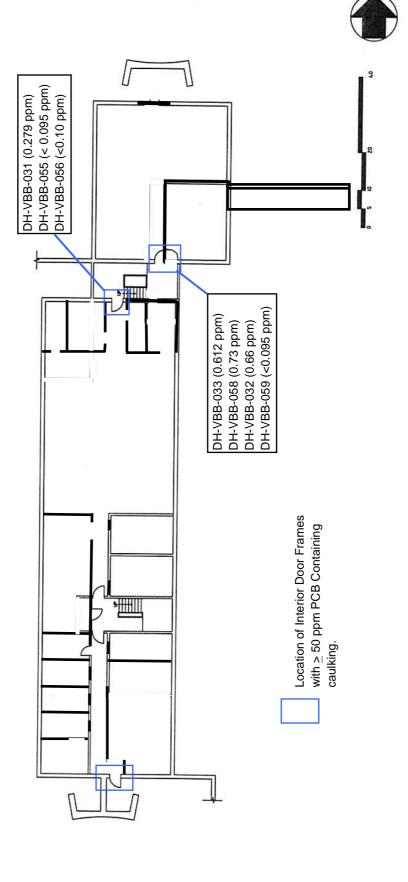
DAVIS HALL

FIRST FLOOR PLAN

10.23.06 SCALE: I/16"=1'-0" @ IIXI7 DRAWN BY: CMM Source Data: Amherst College

Figure 2-3 Verification Sample Locations - Basement

# Davis Hall Demolition Amherst College Amherst, Massachusetts



DAVIS HALL

BASEMENT FLOOR PLAN

SCALE: I/16"=1'-0" @ IIXI7 DRAWN BY: CMM

10.23.06

: : : : : Source Data: Amherst College



# APPENDIX A: DUST MONITORING LOGS

# Summary of Perimeter Dust Monitoring Readings

# Davis Hall Demolition Amherst College

					Dust	
Date	Temp	Weather	Time	Location	(mg/m³)	Site Activities
Removal o	f Window/I	Removal of Window/Door Frame				
		thoils voludo	10:45	Bkgd	0.023	
6/19/2012	65	brooze	10:46	1	0.028	Crew chipping materials with chisels in entryway.
		טופפגפ	10:47	2	0.027	
		No F	CB-related	activity ons	ite June 20 th	No PCB-related activity onsite June 20 thru July 29, 2012.
Demolition and Excavation of	and Excav		asement W	<b>Coated Basement Walls and Ceiling</b>	iling	
			10:30	Bkgd	0.009	
			10:32	1	0.020	Description and the motorials
			10:33	2	0.017	Excavators riaridiirig dearrand pod materials.
			10:34	3	0.008	
			13:10	Bkgd	0.016	
7/30/2012	U	ydar sky	13:13	1	0.029	Segregating materials-steel, copper, concrete, asphalt
7100/00/1	3	cical any	13:14	2	0.040	etc.
			13:16	3	0.042	
			17:38	Bkgd	0.008	Active demo of baseaut walls wranged to for the
			17:40	1	0.035	Active define of basefillerit walls wrapping up to the
			17:41	2	0.041	day. Oddil & east wall lellloyed. Clew lesizing material
			17:43	3	0.032	101 SIMPPING:
		No P	CB-related	dust genera	ting activities	No PCB-related dust generating activities onsite. 7/31/2012
			05.8	Bkgd	0.031	
			0.00	1	0.088	S&R resizing material for shipping and consolidating
8/1/2012	80	clear suppy	12.00	Bkgd	0.028	PCB waste into stocknile S&R loading tractor trailer
21021	3	oca, odiny	12:00	_	0.065	tricks with PCB/ACM basement wall materials
			17.00	Bkgd	0.031	GOOD WILL CO. CO. DOSCILIOR WOLL LIGGER S.
			4.00	1	0.033	
			٥٧٠٥	Bkgd	0.028	
			0.40	1	0.027	
8/2/2012	85.00	yours reals	10.35	Bkgd	0.044	NCM/S&B doing domo and load out of DCB materials
0/2/2012	06-00	olcal, sullily	0.00	-	0.056	NOW! ONLY WIND WIND AND TOWN ON OF LOW HIGHER AND
			12.30	Bkgd	0.035	
			25.30	_	0.018	

Appendix A

# Summary of Perimeter Dust Monitoring Readings

# Davis Hall Demolition Amherst College

					Dust	
Date	Temp	Weather	Time	Location	(mg/m³)	Site Activities
			0.45	Bkgd	0.034	
				1	0.028	
8/3/2012	90.00	yours reolo	07.61	Bkgd	0.083	NCM/S&D doing domo and load out of DCB materials
2102/6/0	C6-06	oleal, sullily	04:7	1	0.049	INCIVIORING WELLIO ALIGIDAD DUL DI L'OD ILIAREITAIS.
			12.25	Bkgd	960'0	
			3.33	1	850'0	
			0.46	Bkgd	0.024	
0/6/2012	Co	you roolo	3.45	1	0.021	NCM/S & D doing again and on the of DCB materials
0/0/2012	0	כופמו אא	12.20	Bkgd	0.018	INCIVIORE AUTHOR AFTER TORU OUT OF POD ITTAKETIBLS.
			02.20	1	090'0	
			11.30	Bkgd	090'0	
8/7/2012	85	closr cky	06.11	1	800'0	NCM/S&B doing demo and load out of DCB materials
2102770	3	cical any	10.35	Bkgd	0.099	ACIVIDAD ACITIC ALIA IONA OULOI I OD IIIAUGIIAIS.
			6.33	1	0.177	
			10.30	Bkgd	0.027	
			0.00	_	0.021	
			11.30	Bkgd	0.014	
			00:1	1	0.024	
			11.50	Bkgd	0.018	
0/0/0/0	9	10000	00:1	1	0.024	NOM/S & Desire a series for a series of DO A series
2102/0/0	C B	Overcasi	07:61	Bkgd	0.012	INCIVIORE AUTHOR AFTER TORA OUT OF POD THATETIALS.
			04:7	-	0.014	
			08.77	Bkgd	0.025	
			5	_	0.061	
			16.16	Bkgd	0.041	
			2	1	850'0	
		i				:

<sup>1.</sup> All dust readings taken with a Thermo Electron PDR-1000AN. Meter was calibrated daily.
2. All PCB-related site activities were completed at end of day on August 8,2012. No additional PCB site work remains.



# APPENDIX B: ANALYTICAL LABORATORY REPORTS AND DATA VALIDATION SUMMARY

# 225406 DAVIS HALL DEMOLITION - BUILDING MATERIALS PROJECT SUMMARY

Analytics Environmental Laboratory Job Numbers: 72549, 72678, 72736, 72818, 72819, 72907, & 72952 ConTest Analytical Laboratory Job Numbers: 12F0259, 12F0552, 12F0595, & 12F0648

A modified Tier II validation was performed on the data. The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 1.6, 2.5, 2.6, 3, 3.3, 4, 5.7, and 22.3 degrees Celsius. Some samples were received slightly below 2.0 degrees Celsius, but were not frozen and no qualifications will be applied. Some samples arrived at the laboratory direct from sampling (22.3 degrees Celsius), no qualifications will be applied.

### PCBs:

All polychlorinated biphenyl compound (PCB) samples were extracted and analyzed within technical holding times. No qualifications will be applied.

All PCB surrogates met acceptance criteria (30-150%) or were diluted out with the following exception:

LAB ID	SAMPLE ID	TCX (%/%)	DCB (%/%)	QUALIFIER
12F025 <b>9-</b> 03	DH-CBC-C	OK/OK	OK/157	None, only 1 out

TCX = tetrachloro-m-xylene

DCB = decachlorobiphenyl

The PCB method blanks were non-detect (ND) for all target analytes. No qualifications will be applied.

PCB field blank samples DH-VBBO-034 (72549-16) and DH-VBO-061 (12F0648-01) were ND for all target analytes. No qualifications will be applied.

The PCB matrix spike/matrix spike duplicate (MS/MSD) performed on samples DH-VBB-021 (72549-3) and DH-VBB-044 (12F0552-01) met acceptance criteria. No qualifications will be applied.

The PCB laboratory control samples (LCS)/laboratory control sample duplicates (LCSD) met acceptance criteria with the following exception. The relative percent difference (RPD) for PCB-1260 on column #1 (31.2%) for one LCS/LCSD exceeded acceptance criteria (≤30%). Since the RPD on the secondary column and all recoveries were acceptable, no qualification will be applied.

PCB field duplicate samples DH-VBC-019 (72549-1)/DH-VBCD-020 (72549-2) and DH-VBB-057 (12F0595-06)/DH-VBBD-060 (12F0595-09) met acceptance criteria. No qualifications will be applied.

The RPD between the column results for all detected PCBs met acceptance criteria (≤25%) with the following exceptions:

LAB ID	SAMPLE ID	PCB	RPD	QUALIFIER
12F0595-06	DH-VBB-057	1254	25.3	J
12F0595-07	DH-VBB-058	1254	36	J

Some samples were analyzed at a dilution due to the sample matrix and/or due to the high concentration of PCBs present. Elevated quantitation limits are reported in these samples as a result of the dilutions performed.

Data Check, Inc. P.O. Box 29 81 Meaderboro Road New Durham, NH 03855

Gloria J. Switalski: President

9/19/2012



195 Commerce Way Suite E Portsmouth, New Hampshire 03801 603-436-5111 Fax 603-430-2151 800-929-9906 www.analyticslab.com

April 16, 2012

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

RE:

**Analytical Results Case Narrative** 

Analytics # 72549

Amherst College-Davis Hall

Dear Mr. Franklin;

Enclosed please find the analytical results for samples submitted for the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed Polychlorinated Biphenyls (PCBs) by EPA Method 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II data package has been assembled in the following order:

Case Narrative/Non-Conformance Summary
Sample Log Sheet - Cover Page
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results
PCB Form 3 MS/MSD (LCS) Recoveries
Chain of Custody (COC) Forms

# QC NON-CONFORMANCE SUMMARY

# Sample Receipt:

No exceptions.

# PCBs by EPA Method 8082:

No results were reported below the quantitation limit.

Samples 72549-1 and 72549-2 required dilutions due to concentrations of PCBs that exceeded the calibration range of the instrument.

If you have any questions on these results, please do not hesitate to contact me.

Sincerely,

ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer Laboratory Director



195 Commerce Way Suite E Portsmouth, New Hampshire 03801 603-436-5111 Fax 603-430-2151 800-929-9906 www.analyticslab.com

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

Report Number: 72549

Revision: Rev. 0

Re: Amherst College, Davis Hall (Project No: 225406)

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 April 2012 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and

Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, North Carolina, and is accredited by the Department of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature

Stephen L. Knollmeyer Lab. Director

Date

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195 Commerce Way Suite E Portsmouth, New Hampshire 03801 603-436-5111 Fax 603-430-2151 800-929-9906 www.analyticslab.com

CLIENT: Woodard & Curran REPORT NUMBER: 72549 REV: Rev. 0

PROJECT: Amherst College, Davis Hall (Project No: 225406)

<u>Lab Number</u>	Sample Date	Station Location	Analysis	Comments
72549-1	04/10/12	DH-VBC-019	EPA 8082 (PCBs only)	
72549-2	04/10/12	DH-VBCD-020	EPA 8082 (PCBs only)	
72549-3	04/10/12	DH-VBB-021	EPA 8082 (PCBs only)	
72549-4	04/10/12	DH-VBB-022	EPA 8082 (PCBs only)	
72549-5	04/10/12	DH-VBB-023	EPA 8082 (PCBs only)	
72549-6	04/10/12	DH-VBB-024	EPA 8082 (PCBs only)	
72549-7	04/10/12	DH-VBB-025	EPA 8082 (PCBs only)	
72549-8	04/10/12	DH-VBB-026	EPA 8082 (PCBs only)	
72549-9	04/10/12	DH-VBB-027	EPA 8082 (PCBs only)	
72549-10	04/10/12	DH-VBB-028	EPA 8082 (PCBs only)	
72549-11	04/10/12	DH-VBB-029	EPA 8082 (PCBs only)	
72549-12	04/10/12	DH-VBB-030	EPA 8082 (PCBs only)	
72549-13	04/10/12	DH-VBB-031	EPA 8082 (PCBs only)	
72549-14	04/10/12	DH-VBB-032	EPA 8082 (PCBs only)	
72549-15	04/10/12	DH-VBB-033	EPA 8082 (PCBs only)	
72549-16	04/10/12	DH-VBBQ-034	EPA 8082 (PCBs only)	



# **Surrogate Compound Limits**

	Matrix: Units:	Aqueous % Recovery	Solid % Recovery	Method
Volatile Organic Compounds - Dr	inking Wat	er		
1,4-Difluorobenzene	•	70-130		EPA 524.2
Bromofluorobenzene		70-130		
1,2-Dichlorobenzene-d4		70-130		
Volatile Organic Compounds				
1,2-Dichloroethane-d4		70-120	70-120	EPA 624/8260B
Toluene-d8		85-120	85-120	E171 024/0200B
Bromofluorobenzene		75-120	75-120	
Semi-Volatile Organic Compound	s			
2-Fluorophenol	_	20-110	35-105	EPA 625/8270C
d5-Phenol		15-110	40-100	LIA 023/82/0C
d5-nitrobenzene		40-110	35-100	
2-Fluorobiphenyl		50-110	45-105	
2,4,6-Tribromophenol		40-110	40-125	
d14-p-terphenyl		50-130	30-125	
PAH's by SIM				
d5-nitrobenzene		21-110	35-110	EPA 8270C
2-Fluorobiphenyl		36-121	45-105	EFA 8270C
d14-p-terphenyl		33-141	30-125	
Pesticides and PCBs	•			
2,4,5,6-Tetrachloro-m-xylene (TCX)	) ~	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)		40-135	40-130	E1 A 000/0002
Herbicides				
Dichloroacetic acid (DCAA)		30-150	30-150	
Gasoline Range Organics/TPH Ga	soline			
Trifluorotoluene TFT (FID)	bonne	60-140	60-140	MEDER 4017/EDA 9015
Bromofluorobenzene (BFB) (FID)		60-140	60-140	MEDEP 4217/EPA 8015
Trifluorotoluene TFT (PID)		60-140	60-140	
Bromofluorobenzene (BFB) (PID)		60-140	60-140	
Diesel Range Organics/TPH Diesel			•	
m-terphenyl		60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH
			00 110	MEDEL 4125/ELA 8015/CT ETFA
Volatile Petroleum Hydrocarbons			2	
2,5-Dibromotoluene (PID)		70-130	70-130	MADEP VPH May 2004 Rev1.1
2,5-Dibromotoluene (FID)		70-130	70-130	· ·
Extracatable Petroleum Hydrocarl	ons			
1-chloro-octadecane (aliphatic)		40-140	40-140	MADEP EPH May 2004 Rev1.1
o-Terphenyl (aromatic)		40-140	40-140	<b>,</b>
2-Fluorobiphenyl (Fractionation)	•	40-140	40-140	
2-Bromonaphthalene (fractionation)		40-140	40-140	



# PCB DATA SUMMARIES



Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**CLIENT SAMPLE ID** 

April 17, 2012

### SAMPLE DATA

Lab Sample ID:

B041112PSOX2

Matrix:

Soil

Percent Solid:

100

**Dilution Factor:** 

1.0

**Collection Date:** 

Lab Receipt Date:

**Extraction Date:** 

Analysis Date:

04/11/12 04/13/12

Field Sample ID:

**Project Name:** 

**Project Number:** 

Lab QC

225406

Amherst College, Davis Hall

PCB ANALYTICAL RESULTS

COMPOUN	Quantitation Limit $\mu$ g/kg	Results  µg/kg
PCB-1016	33	U
PCB-1221	. 33	U
PCB-1232	33	Ŭ
PCB-1242	33	U
PCB-1248	33	. U
PCB-1254	33	U
PCB-1260	33	U

# **Surrogate Standard Recovery**

2,4,5,6-Tetrachloro-m-xylene

97 %

Decachlorobiphenyl

73 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Mubble

Data Path : C:\msdchem\1\DATA\041312-M\

Data File: M56741B.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 11:04 am Acq On

Operator : JK

Sample : B041112PSOX2,,A/C

: SOIL Misc

ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 14:41:20 2012

Quant Method : C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254 QLast Update : Wed Apr 11 02:27:43 2012

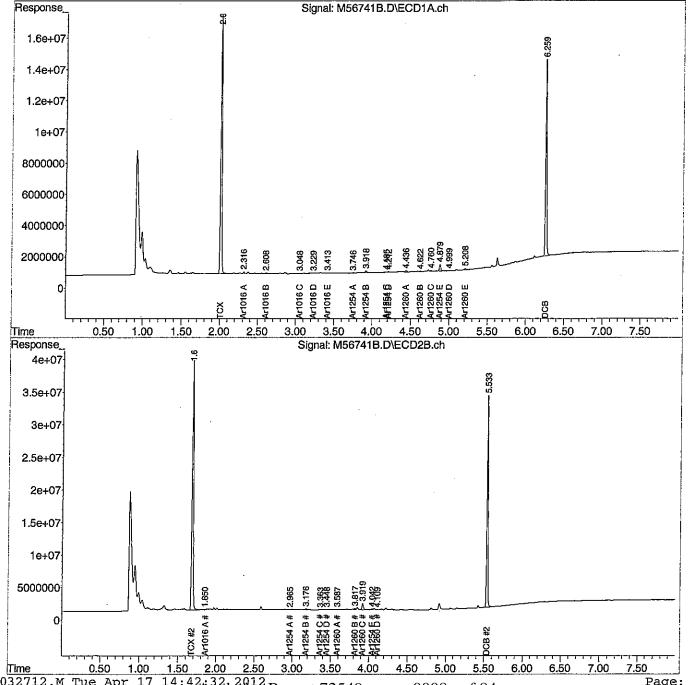
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



PCB032712.M Tue Apr 17 14:42:3212012 Report 72549 page 0008 of 84

Page: 2



Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

# April 16, 2012 SAMPLE DATA

Lab Sample ID:

B041212PSOX

Matrix:

Soil

Percent Solid:

100 1.0

**Dilution Factor: Collection Date:** 

Lab Receipt Date:

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/16/12

# CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U ,
PCB-1254	33	U
PCB-1260	33	U

### Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

105 %

Decachlorobiphenyl

81 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Data Path: C:\msdchem\1\DATA\041612-M\

Data File : M56843B.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 16 Apr 2012 10:37 am

Operator : JK

: B041212PSOX,,A/C Sample

Misc : SOIL

ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 16 13:37:28 2012

Quant Method : C:\msdchem\1\METHODS\PCB032712.M

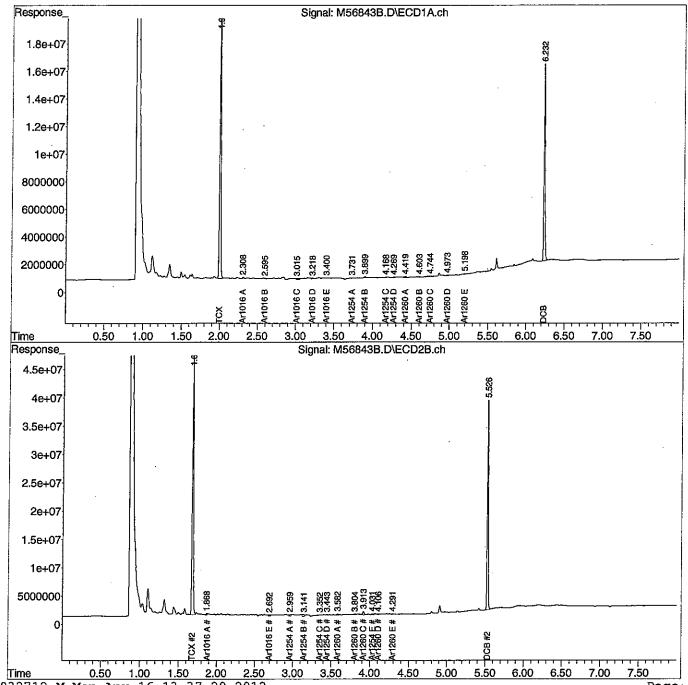
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254 QLast Update : Wed Apr 11 02:27:43 2012 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info :  $30 \text{ m} \times 0.25 \text{mm} \times 0$  Signal #2 Info :  $30 \text{ m} \times 0.25 \text{mm} \times 0.25$  um





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**CLIENT SAMPLE ID** 

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

Lab QC

April 18, 2012 SAMPLE DATA

Lab Sample ID:

B041712PW

Matrix:

Aqueous

Percent Solid:

N/A

**Dilution Factor:** 

1.0

**Collection Date:** 

Lab Receipt Date:

**Extraction Date:** 

**Analysis Date:** 

04/17/12

04/17/12

PCB ANALYTICAL RESULTS						
COMPOUND	Quantitation Limit µg/L	Results μg/L				
PCB-1016	0.2	U				
PCB-1221	0.2	U				
PCB-1232	0.2	U				
PCB-1242	0.2	U				
PCB-1248	0.2	U				
PCB-1254	0.2	U				
PCB-1260	0.2	U				
	Surrogate Standard Recovery	, m = 1				
	2,4,5,6-Tetrachloro-m-xylene 91 Decachlorobiphenyl 80	% %				
U=Undetected	J=Estimated E=Exceeds Calibration Range	B=Detected in Blank				

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

Authorized signature Jenna Jennig

Data Path : C:\msdchem\1\DATA\041712-M\

Data File : M56913B.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 17 Apr 2012 11:35 pm Acq On

: JK/AR Operator : B041712PW Sample

Misc

ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 18 09:15:04 2012

Quant Method : C:\msdchem\1\METHODS\PCB032712.M

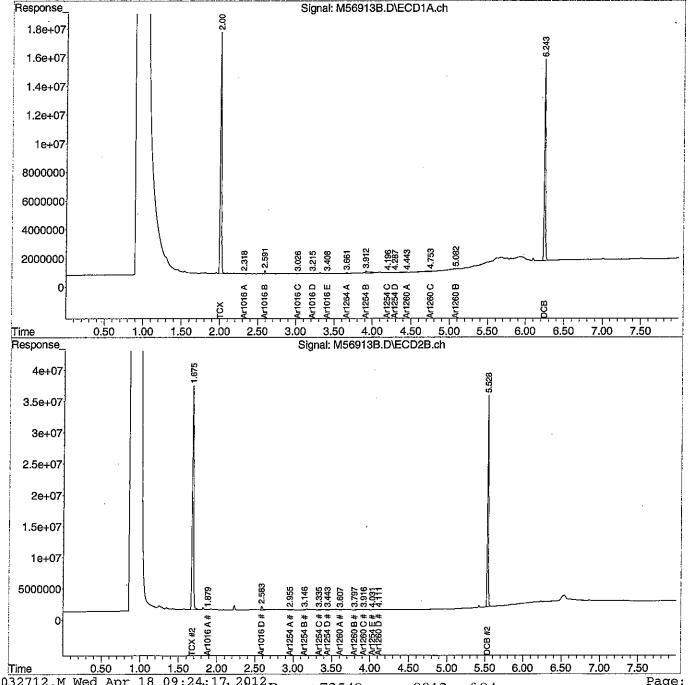
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254 QLast Update : Wed Apr 11 02:27:43 2012 Response via : Initial Calibration

Integrator: ChemStation

: 2 uL Volume Inj.

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



PCB032712.M Wed Apr 18 09:24:17,2012 Report 72549 page 0012 of 84



Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

Project Name:

Project Number:

Field Sample ID:

**CLIENT SAMPLE ID** 

April 16, 2012 SAMPLE DATA

Lab Sample ID: Matrix:

72549-1 Solid

95

Percent Solid: **Dilution Factor:** 

10

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/16/12

225406 DH-VBC-019

Amherst College, Davis Hall

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	330	U
PCB-1221	330	U
PCB-1232	330	U
PCB-1242	330	U
PCB-1248	330	U
PCB-1254	330	5940
PCB-1260	330	5250

# Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

102 %

Decachlorobiphenyl

75 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-1,1:10,,A/C

Column ID: 0.25 mm

Data File: M56857.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 10.2

Column ID: 0.25 mm

Ca	lumn	#

# Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	5247	4890	7.0	
PCB 1254	5941	5209	13.1	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:			

<sup>\*</sup> Values outside QC limits

Data Path: C:\msdchem\1\DATA\041612-M\

Data File: M56857.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 16 Apr 2012 12:57 pm

Operator : JK

Sample : 72549-1,1:10,,A/C

Misc : SOIL

ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e

Quant Time: Apr 16 14:14:15 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

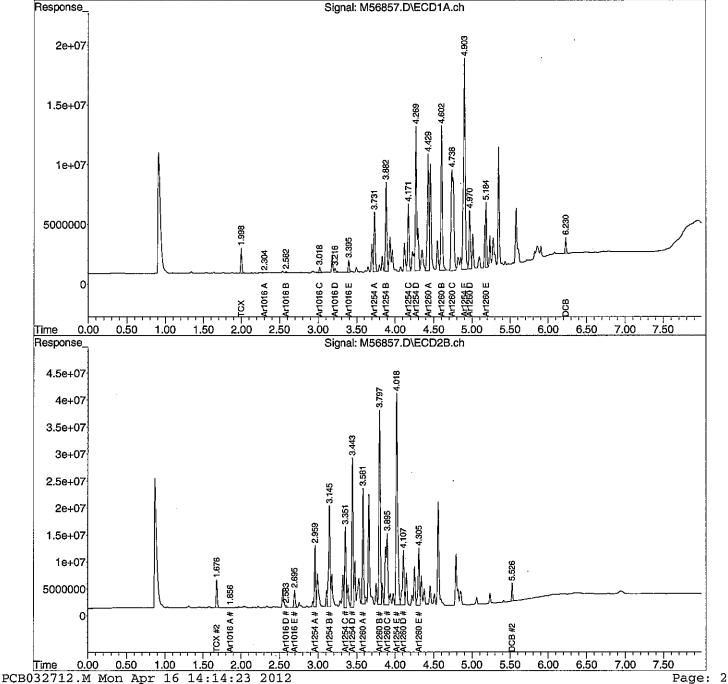
QLast Update: Wed Apr 11 02:27:43 2012

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



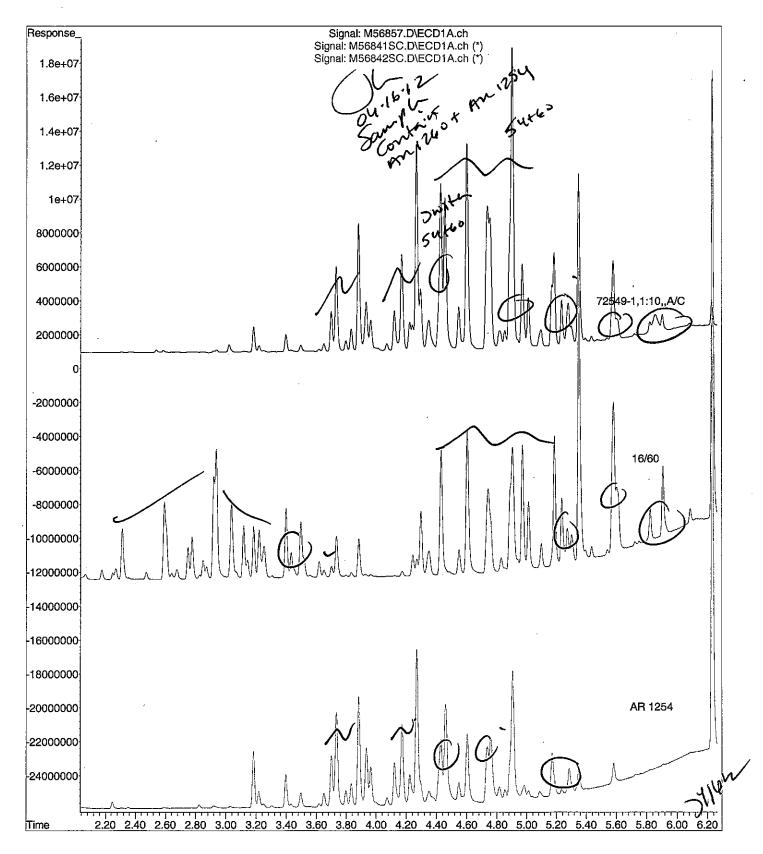
File :C:\msdchem\1\DATA\041612-M\M56857.D

Operator : JK

Acquired : 16 Apr 2012 12:57 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-1,1:10,,A/C

Misc Info : SOIL Vial Number: 20





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

## April 16, 2012

### SAMPLE DATA

CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

Project Number:

225406

Field Sample ID:

DH-VBCD-020

Lab Sample ID: Matrix:

Solid

Percent Solid:

93

**Dilution Factor:** 

10

**Collection Date:** 

04/10/12

72549-2

Lab Receipt Date: **Extraction Date:** 

04/11/12 04/12/12

**Analysis Date:** 

04/16/12

PCB	ANAL	YTICAL	RESULTS
-----	------	--------	---------

·		
COMPOUND	Quantitation Limit μg/kg	Results μg/kg
PCB-1016	330	U
PCB-1221	330	U
PCB-1232	330	U
PCB-1242	330	U
PCB-1248	330	U
PCB-1254	330	6200
PCB-1260	330	5500

#### **Surrogate Standard Recovery**

2,4,5,6-Tetrachloro-m-xylene

103 %

Decachlorobiphenyl

78 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-2,1:10,,A/C

Column ID: 0.25 mm

Data File: M56858.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 9.8

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	5501	5076	8.0	
PCB 1254	6200	5382	14.1	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:			

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041612-M\

Data File: M56858.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 16 Apr 2012 1:07 pm Acq On

Operator : JK

: 72549-2,1:10,,A/C Sample

Misc : SOIL

: 21 ALS Vial Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e

Quant Time: Apr 16 14:15:52 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update: Wed Apr 11 02:27:43 2012

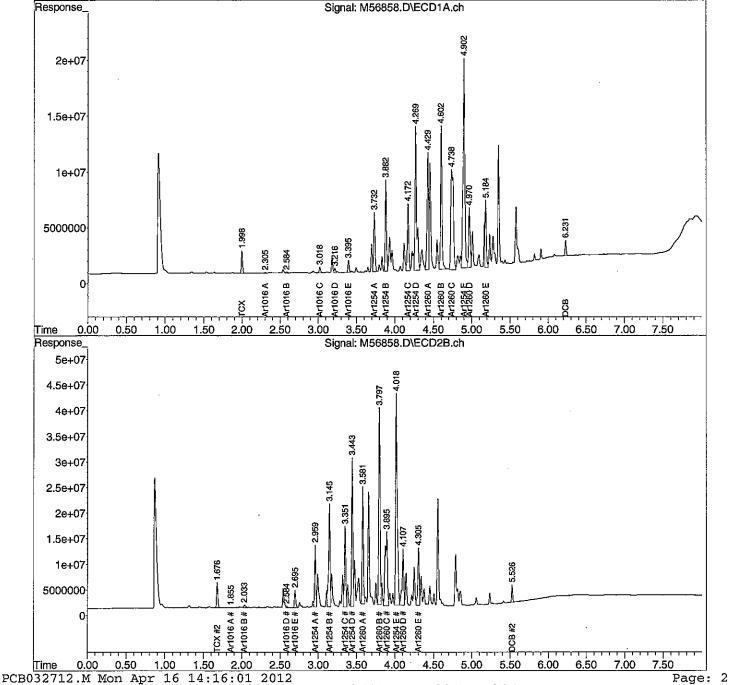
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



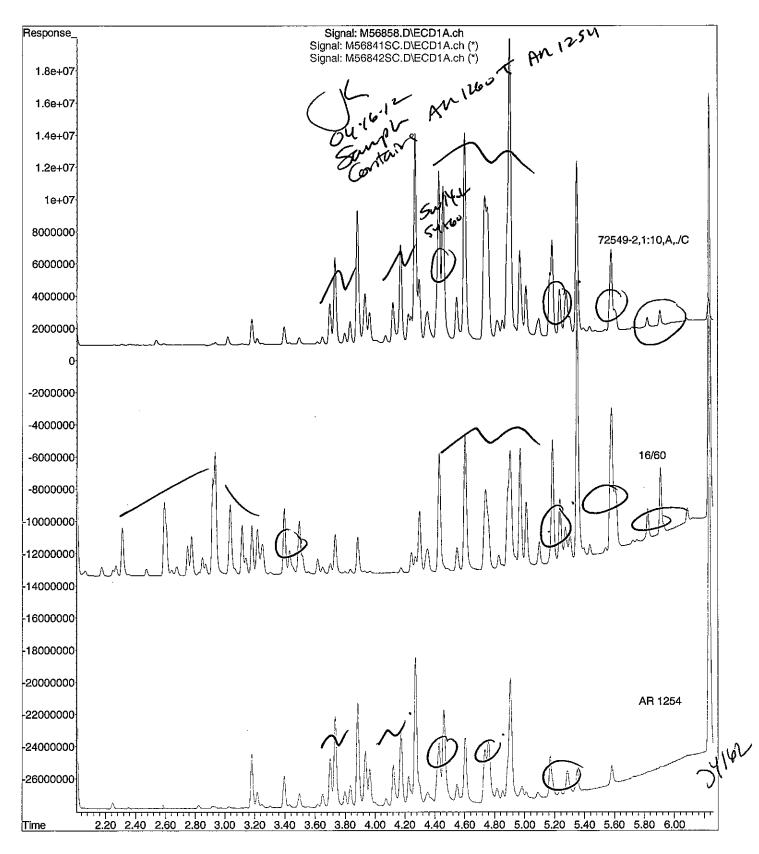
File :C:\msdchem\1\DATA\041612-M\M56858.D

Operator : JK

Acquired : 16 Apr 2012 1:07 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-2,1:10,,A/C

Misc Info : SOIL Vial Number: 21





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

April 17, 2012

### SAMPLE DATA

CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-021

Lab Sample ID:

72549-3

Matrix:

Solid

Percent Solid:

95

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

Quantitation		
Limit µg/kg		Results µg/kg
33		U
33	+	U
33		U
33		U
33		U
. 33		182
33		189
Surrogate Standard Recovery		
•	% %	
	33 33 33 33 33 33 33 33 33 33 33 31 32 32 33 33 33 33 33 33 33	33 33 33 33 33 33 33 33 33 33 33 33 33

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Mullill

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-3,,A/C

Column ID: 0.25 mm

Data File: M56746.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	189	171	9.9	
PCB 1254	182	148	20.9	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:		

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File: M56746.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Aca On : 13 Apr 2012 11:54 am

Operator : JK

72549-3,,A/C Sample

Misc SOIL

ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:04:37 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

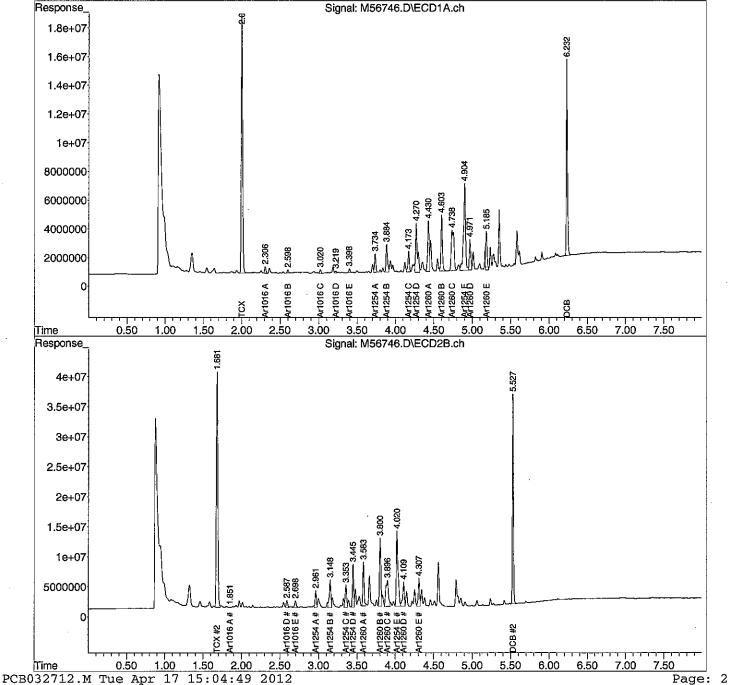
QLast Update: Wed Apr 11 02:27:44 2012 Response via: Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m  $\times$  0.25mm  $\times$  0 Signal #2 Info : 30 m  $\times$  0.25mm  $\times$  0.25 um



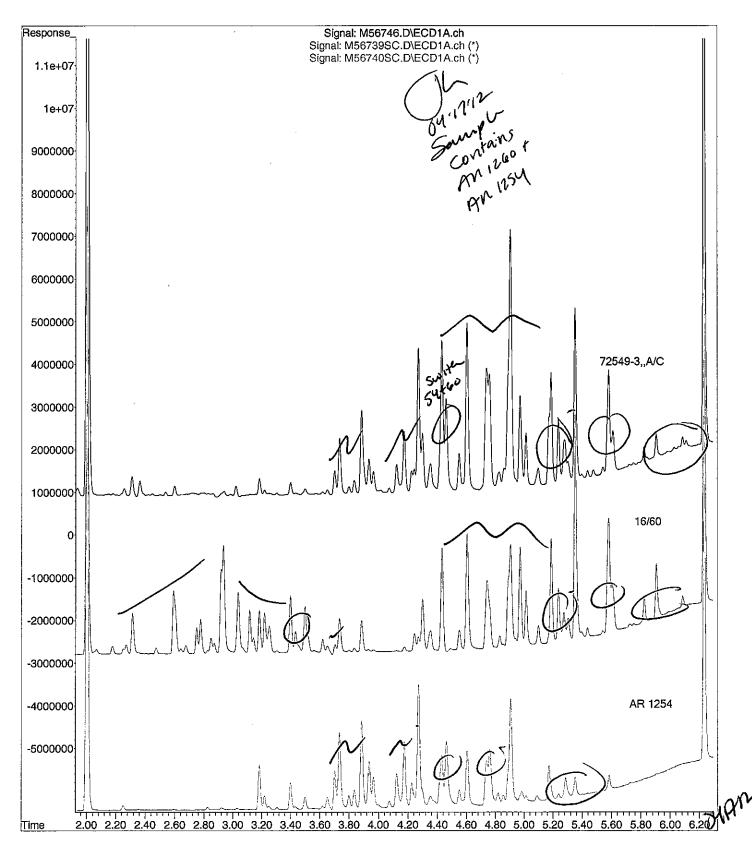
File :C:\msdchem\1\DATA\041312-M\M56746.D

Operator : JK

Acquired: 13 Apr 2012 11:54 am using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-3,,A/C

Misc Info : SOIL Vial Number: 11



Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**Project Name:** 

Project Number:

April 17, 2012

SAMPLE DATA

Lab Sample ID:

72549-4

Matrix:

Solid 95

Percent Solid:

**Dilution Factor:** 

1.0 04/10/12

**Collection Date:** Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

Analysis Date:

04/13/12

Field Sample ID: DH-VBB-022

225406

CLIENT SAMPLE ID

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	45
PCB-1260	33	49

#### Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

96 %

Decachlorobiphenyl

72 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Wullull

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-4,,A/C

Column ID: 0.25 mm

Data File: M56748.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Column #1 Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	49	45	8.5	
PCB 1254	45	41	8.3	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File : M56748.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 13 Apr 2012 12:14 pm

Operator : JK

: 72549-4,,A/C Sample

Misc : SOIL

ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:07:53 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

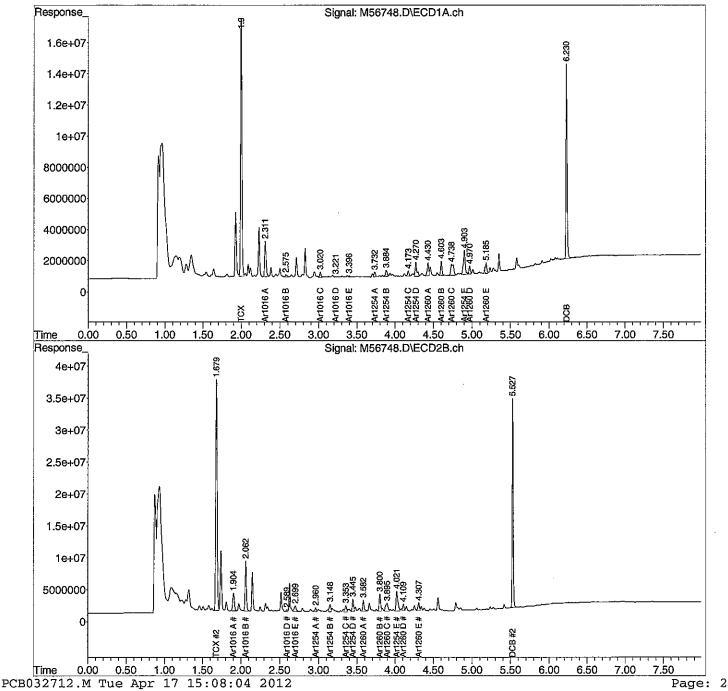
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides Signal #1 Info : 30 m  $\times$  0.25mm  $\times$  0 Signal #2 Info : 30 m  $\times$  0.25mm  $\times$  0.25 um



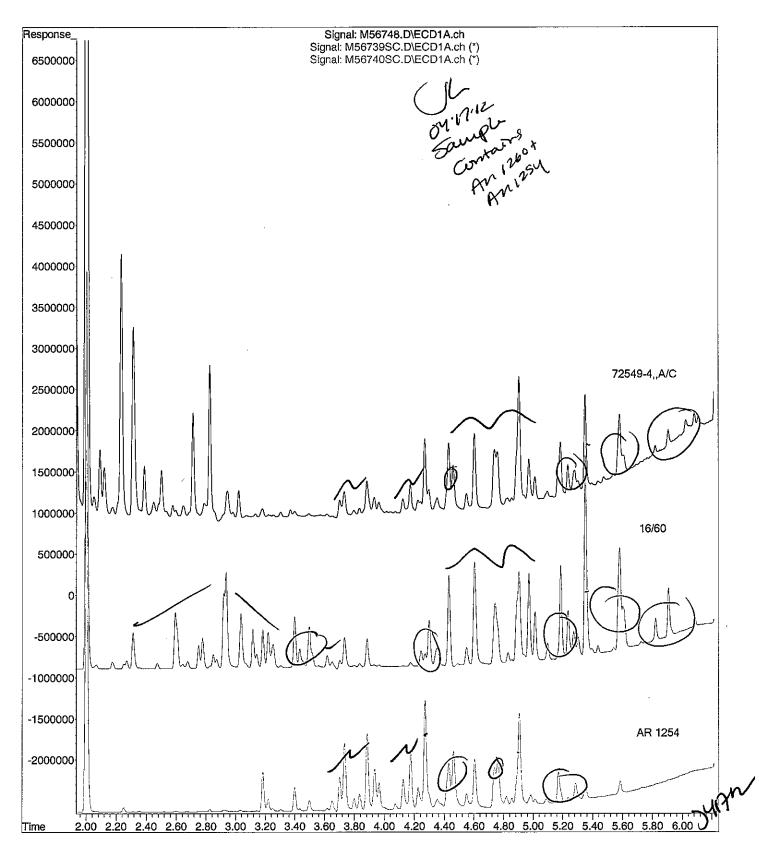
File :C:\msdchem\1\DATA\041312-M\M56748.D

Operator : JK

Acquired : 13 Apr 2012 12:14 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-4,,A/C

Misc Info : SOIL Vial Number: 13





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

April 17, 2012

SAMPLE DATA

CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-023

Lab Sample ID:

72549-5

Matrix:

Solid

Percent Solid:

90

**Dilution Factor:** 

**Collection Date:** 

1.1

Lab Receipt Date:

04/10/12 04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

PCB ANALYTICAL RESULTS					
COMPOUND	Quantitation Limit μg/kg	Results μg/kg			
PCB-1016	36	U			
PCB-1221	36	U			
PCB-1232	36	U			
PCB-1242	36	U			
PCB-1248	36	U			
PCB-1254	, 36	105			
PCB-1260	36	131			
Surrogate Standard Recovery					
	2,4,5,6-Tetrachloro-m-xylene 96	%			
	Decachlorobiphenyl 72	%			
U=Undetected	J=Estimated E=Exceeds Calibration Range	B=Detected in Blank			

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Muhlull Authorized signature

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-5,,A/C

Column ID: 0.25 mm

Data File: M56749.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.1

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	131	119	9.5	
PCB 1254	105	92	13.5	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	
commones.	

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File : M56749.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 12:24 pm Acq On

Operator : JK

: 72549-5,,A/C Sample

Misc : SOIL

: 14 Sample Multiplier: 1 ALS Vial

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:09:04 2012

Quant Method : C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

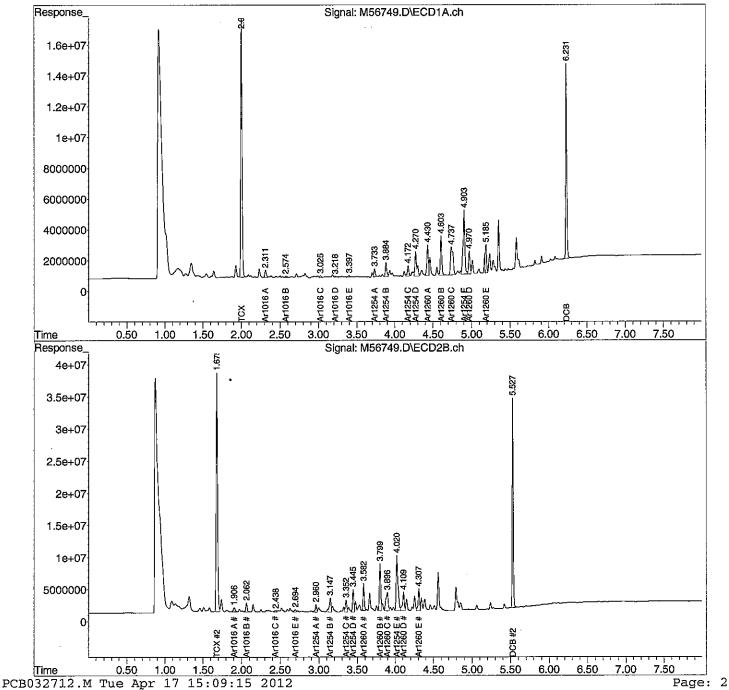
QLast Update: Wed Apr 11 02:27:44 2012 Response via: Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



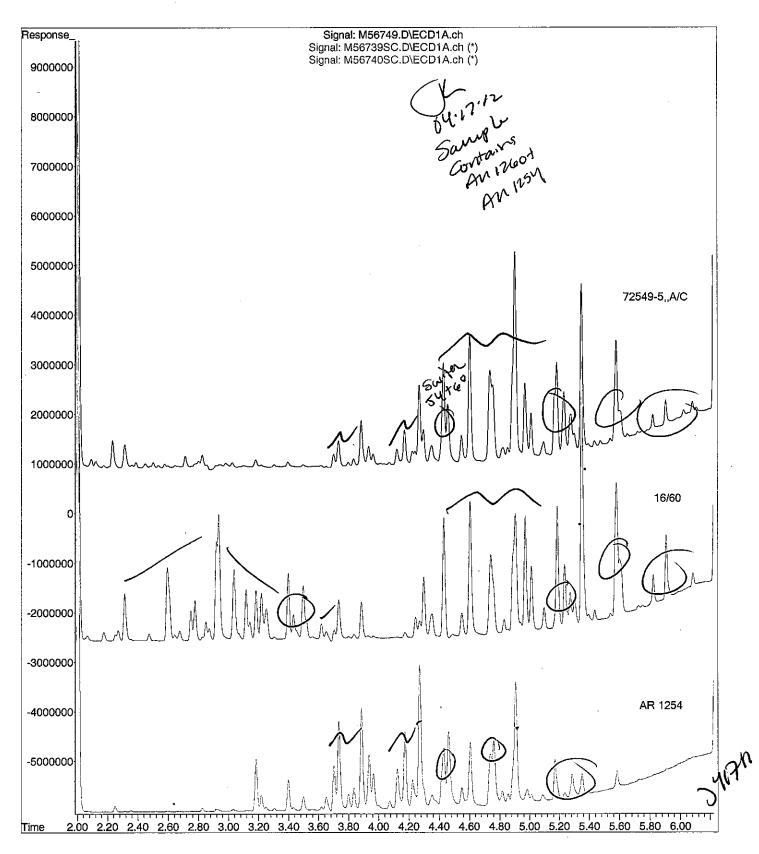
File :C:\msdchem\1\DATA\041312-M\M56749.D

Operator : JK

Acquired: 13 Apr 2012 12:24 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-5,,A/C

Misc Info : SOIL Vial Number: 14





Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

Project Name:

Project Number:

Field Sample ID:

CLIENT SAMPLE ID

225406

DH-VBB-024

### April 17, 2012 SAMPLE DATA

Lab Sample ID:

72549-6

Matrix:

Solid

Percent Solid:

84

**Dilution Factor:** 

1.1

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

## PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U.
PCB-1248	36	U
PCB-1254	36	111
PCB-1260	36	117

#### Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

98 %

Decachlorobiphenyl

74 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Whibell

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-6,,A/C

Column ID: 0.25 mm

Data File: M56750.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.1

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	117	103	12.4	
PCB 1254	111	97	13.6	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	

<sup>\*</sup> Values outside QC limits

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56750.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 13 Apr 2012 12:34 pm

Operator : JK

Sample : 72549-6,,A/C

Misc : SOIL

ALS Vial: 15 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e

Quant Time: Apr 17 15:10:35 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

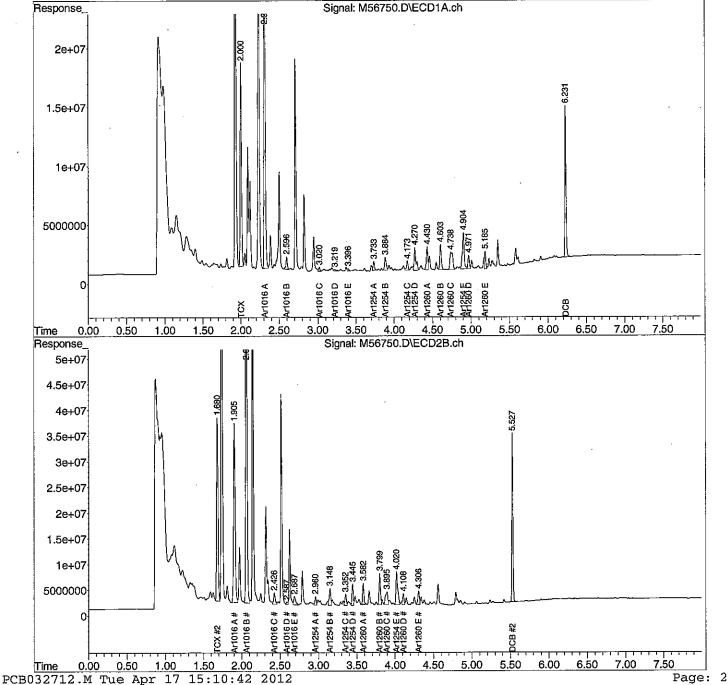
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m  $\times$  0.25mm  $\times$  0 Signal #2 Info : 30 m  $\times$  0.25mm  $\times$  0.25 um



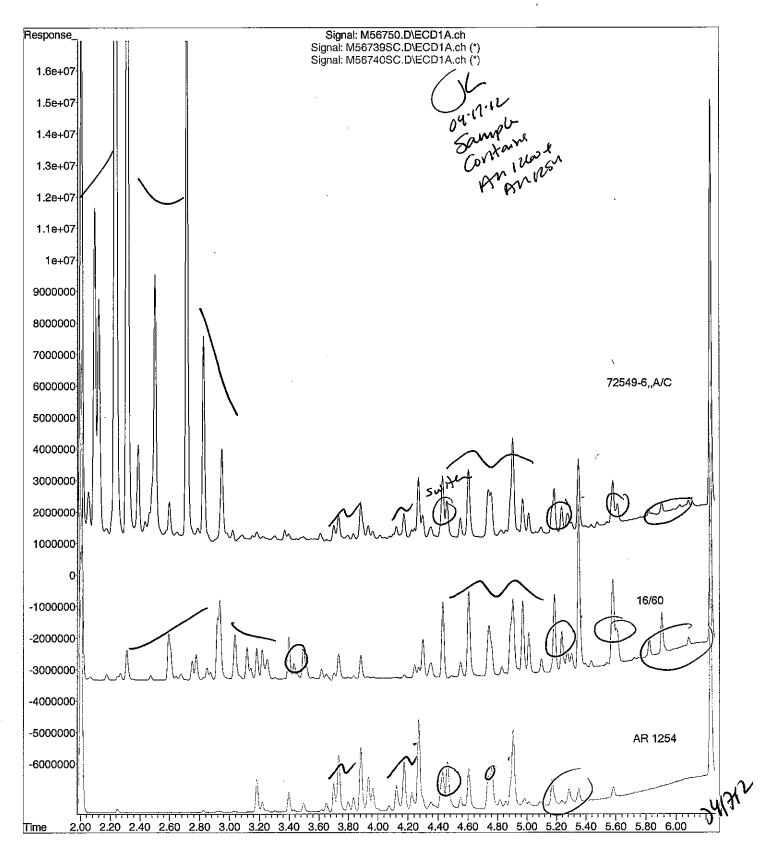
File :C:\msdchem\1\DATA\041312-M\M56750.D

Operator : JK

Acquired: 13 Apr 2012 12:34 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-6,,A/C

Misc Info : SOIL Vial Number: 15





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

## April 17, 2012

### SAMPLE DATA

**CLIENT SAMPLE ID** 

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-025

Lab Sample ID: Matrix:

72549-7

Solid

Percent Solid:

87

**Dilution Factor:** 

1.1

**Collection Date:** 

04/10/12

Lab Receipt Date: **Extraction Date:** 

04/11/12 04/12/12

**Analysis Date:** 

04/13/12

	PCB ANALYTICAL RE	SULT	rs	
COMPOUND	Quantitation Limit μg/kg			Results µg/kg
PCB-1016	36			U
PCB-1221	36			U
PCB-1232	36		•	U
PCB-1242	36			U
PCB-1248	36			U
PCB-1254	36			78
PCB-1260	36			98
	Surrogate Standard Recover	v		
	Surrogate Standard Recover	Ţ		
	2,4,5,6-Tetrachloro-m-xylene Decachlorobiphenyl	97 73	% %	
U=Undetected	J=Estimated E=Exceeds Calibration F	Range	B=Detected in Blank	

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature

Muhlull

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-7,,A/C

Column ID: 0.25 mm

Data File: M56751.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.1

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	98	92	6.6	
PCB 1254	78	69	11.8	

# Column to be used to flag RPD values greater than QC limit of 40%

	•	
Comments:		

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File : M56751.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 12:44 pm Acq On

Operator

: JK : 72549-7,,A/С Sample

Misc : SOIL

ALS Vial Sample Multiplier: 1 : 16

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:11:39 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

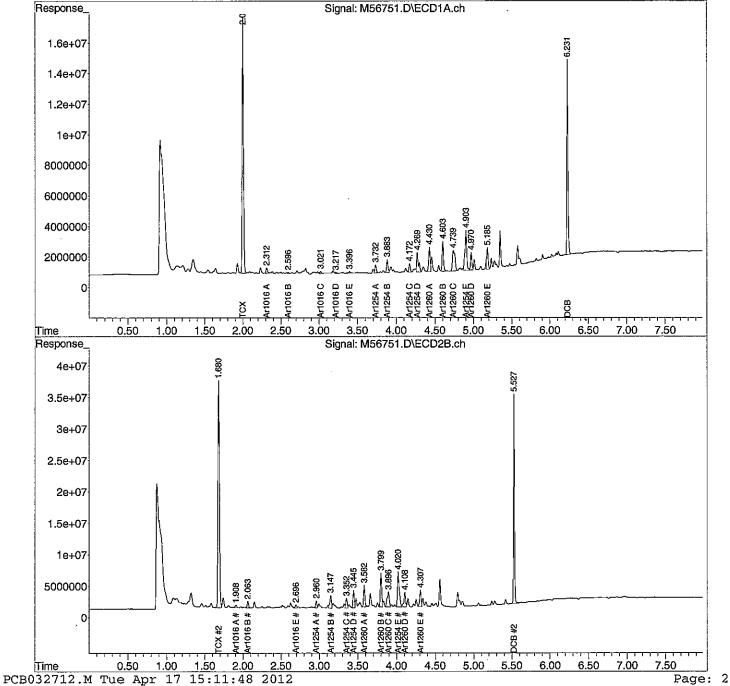
QLast Update: Wed Apr 11 02:27:44 2012 Response via: Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m  $\times$  0.25mm  $\times$  0 Signal #2 Info : 30 m  $\times$  0.25mm  $\times$  0.25 um



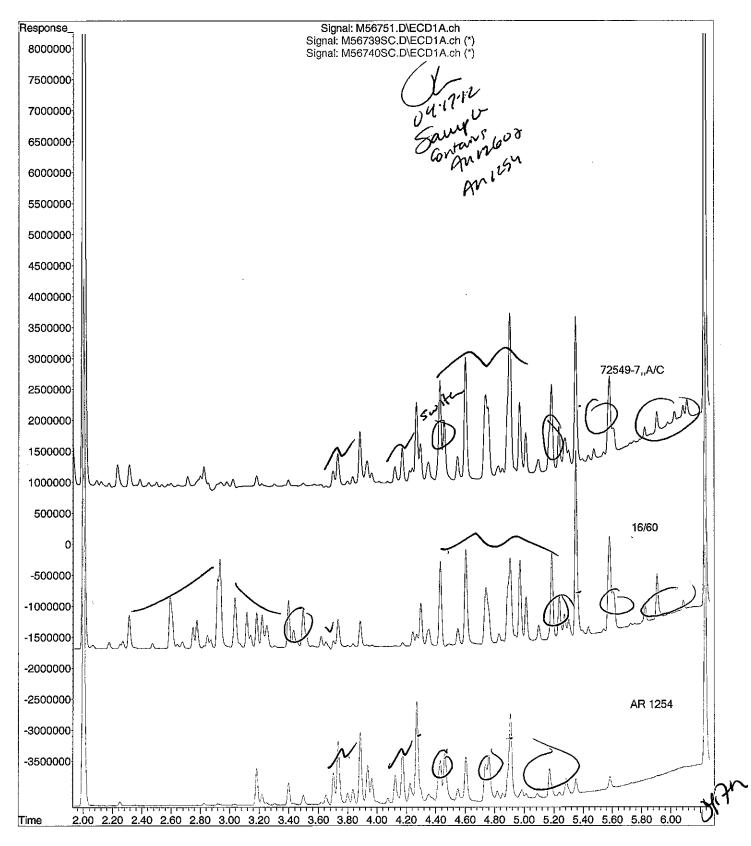
File :C:\msdchem\1\DATA\041312-M\M56751.D

Operator : JK

: 13 Apr 2012 12:44 pm using AcqMethod PCB.M : Instrument M Acquired

Instrument: Sample Name: 72549-7,,A/C

Misc Info : SOIL Vial Number: 16





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

## CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-026

April 17, 2012

### SAMPLE DATA

Lab Sample ID:

72549-8

Matrix:

Solid

Percent Solid:

93

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

				<b>-</b>
COMPOUND	Quantitation Limit μg/kg			Results μg/kg
PCB-1016	33			U
PCB-1221	33			U
PCB-1232	33			U
PCB-1242	33			U
PCB-1248	33			U
PCB-1254	. 33			437
PCB-1260	33			464
				·
	Surrogate Standard Recover		<u> </u>	
	2,4,5,6-Tetrachloro-m-xylene	97	%	
	Decachlorobiphenyl	76	%	

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-8,,A/C

Column ID: 0.25 mm

Data File: M56752.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	464	408	12.7	
PCB 1254	437	369	17.0	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	

<sup>\*</sup> Values outside QC limits

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56752.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 12:54 pm Acq On

Operator : JK

: 72549-8,,A/C Sample

Misc : SOIL

Sample Multiplier: 1 ALS Vial : 17

Integration File signal 1: events.e Integration File signal 2: events2.e

Quant Time: Apr 17 15:13:38 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

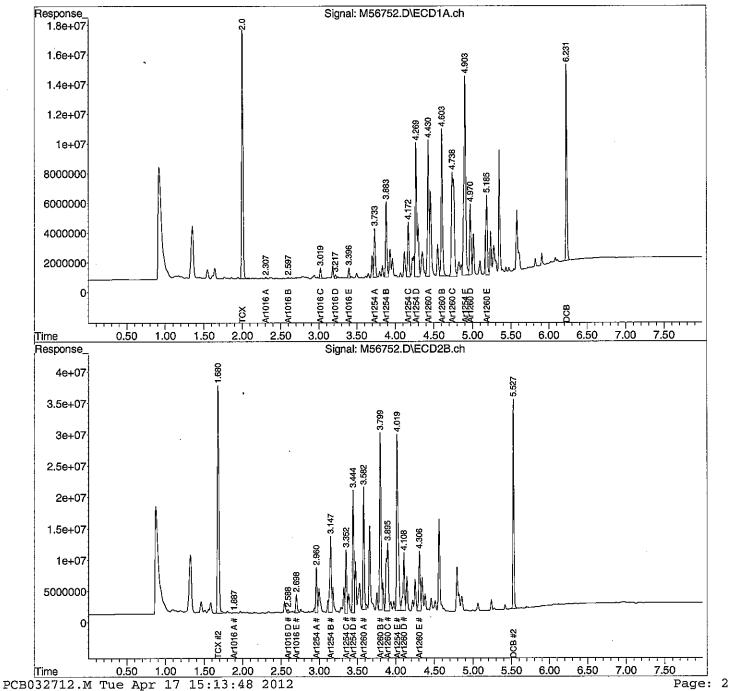
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m  $\times$  0.25mm  $\times$  0 Signal #2 Info : 30 m  $\times$  0.25mm  $\times$  0.25 um



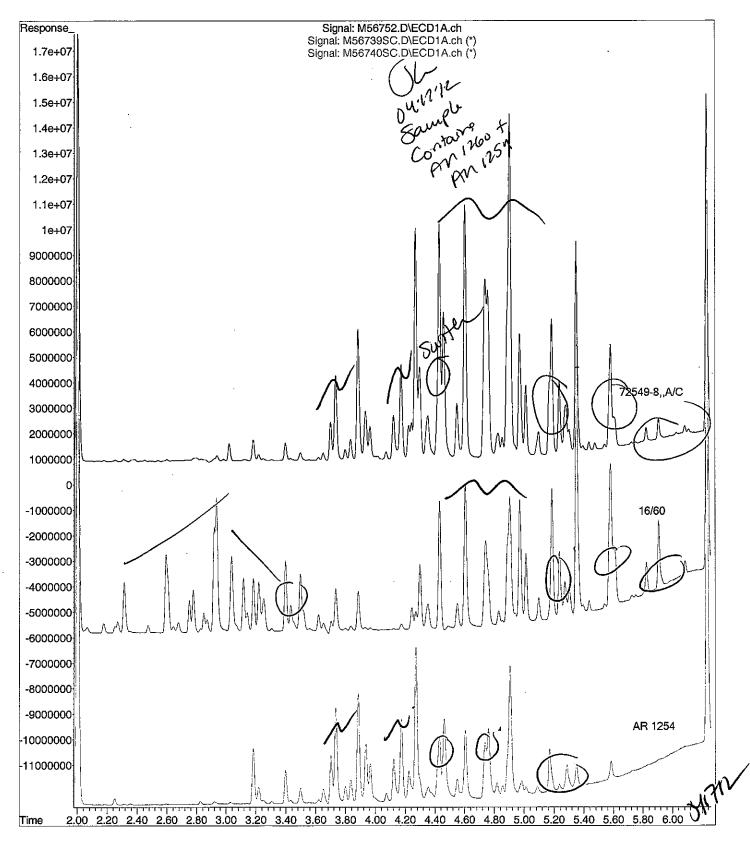
:C:\msdchem\1\DATA\041312-M\M56752.D File

Operator : JK

: 13 Apr 2012 12:54 pm using AcqMethod PCB.M : Instrument M Acquired

Instrument : Sample Name: 72549-8,,A/C

Misc Info : SOIL Vial Number: 17





Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**Project Name:** 

**Project Number:** 

Field Sample ID:

CLIENT SAMPLE ID

225406

DH-VBB-027

April 17, 2012 SAMPLE DATA

Lab Sample ID:

72549-9

Matrix:

Solid

Percent Solid:

96

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	Ü
PCB-1221	.33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	92
PCB-1260	33	103

### Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

96 %

Decachlorobiphenyl

75 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report



Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-9,,A/C

Column ID: 0.25 mm

Data File: M56753.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	103	96	7.2	
PCB 1254	92	79	15.2	

# Column to be used to flag RPD values greater than QC limit of 40%

\* Values outside QC limits

Comments:			
Comments.			

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56753.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 13 Apr 2012 1:04 pm

Operator : JK

Sample : 72549-9,,A/C

Misc : SOIL

ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e

Ouant Time: Apr 17 15:15:01 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

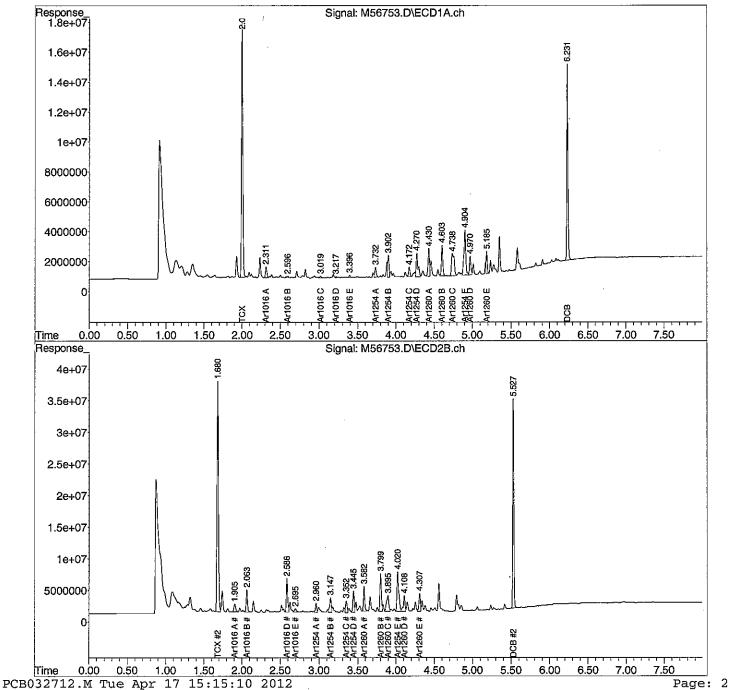
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

April 17, 2012

## SAMPLE DATA

**CLIENT SAMPLE ID** 

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-028

Lab Sample ID: 72549-10 Matrix: Solid 100 Percent Solid: **Dilution Factor:** 0.9 **Collection Date:** 04/10/12 Lab Receipt Date: 04/11/12 **Extraction Date:** 04/12/12 **Analysis Date:** 04/13/12

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit $\mu$ g/kg	Results μg/kg
PCB-1016	30	U
PCB-1221	30	U
PCB-1232	30	U
PCB-1242	30	U
PCB-1248	30	U
PCB-1254	30	99
PCB-1260	30	107

### Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene 95 %

Decachlorobiphenyl 75

%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. METHODOLOGY:

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PC8 Report

Authorized signature While!

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-10,,A/C

Column ID: 0.25 mm

Data File: M56754.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 0.9

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	107	102	4.8	
PCB 1254	99	79	22.4	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	
Commons.	

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File: M56754.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 Acq On 1:14 pm

Operator : JK

Sample : 72549-10,,A/C

Misc : SOIL

Sample Multiplier: 1 ALS Vial : 19

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:15:47 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254 QLast Update : Wed Apr 11 02:27:44 2012

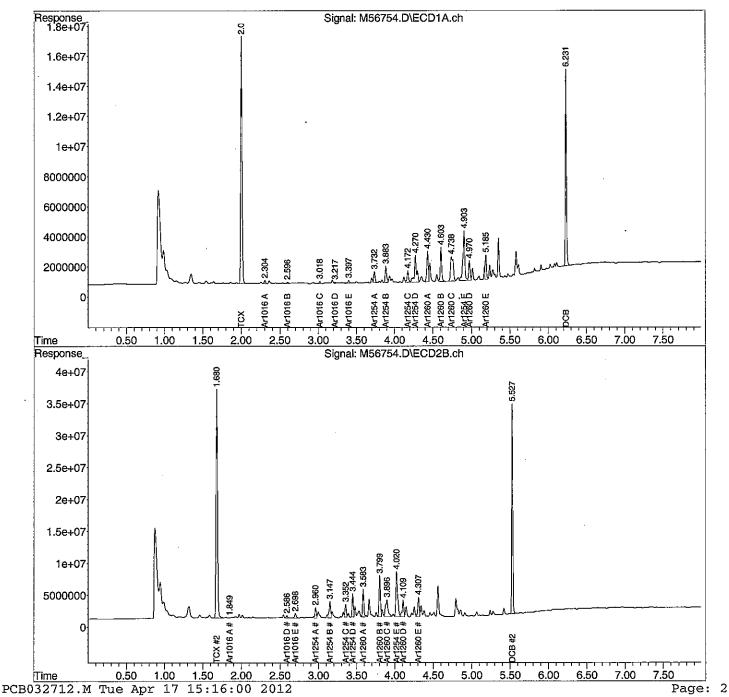
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



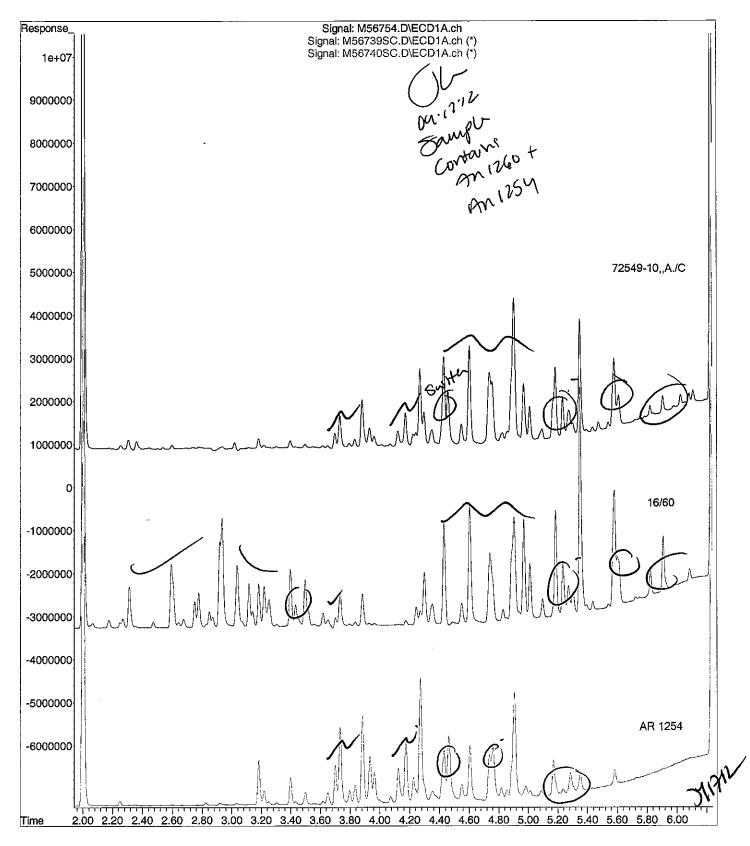
File :C:\msdchem\1\DATA\041312-M\M56754.D

Operator : JK

Acquired: 13 Apr 2012 1:14 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-10,,A/C

Misc Info : SOIL Vial Number: 19





Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**Project Name:** 

**Project Number:** 

Field Sample ID:

CLIENT SAMPLE ID

225406

DH-VBB-029

April 17, 2012

# SAMPLE DATA

Lab Sample ID:

72549-11

Matrix:

Solid

Percent Solid:

98

**Dilution Factor:** 

0.9

**Collection Date:** 

04/10/12

Lab Receipt Date: **Extraction Date:** 

04/11/12

04/12/12

**Analysis Date:** 

04/13/12

# PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	30	U
PCB-1221	30	U
PCB-1232	30	U
PCB-1242	30	· U
PCB-1248	30	U
PCB-1254	30	189
PCB-1260	30	222

## Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

94 %

Decachlorobiphenyl

75 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Walbull

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-11,,A/C

Column ID: 0.25 mm

Data File: M56755.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 0.9

Column ID: 0.25 mm

Column #1

Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	222	199	10.7	
PCB 1254	189	159	17.8	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:			

<sup>\*</sup> Values outside QC limits

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56755.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 Acq On 1:24 pm

Operator : JK

Sample : 72549-11,,A/C

Misc : SOIL

: 20 ALS Vial Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e
Quant Time: Apr 17 15:16:57 2012
Quant Method : C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

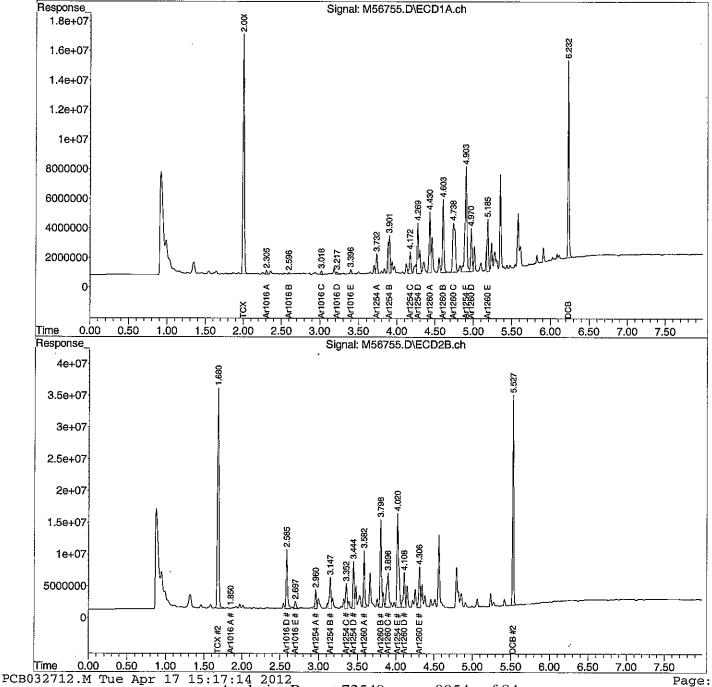
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info :  $30 \text{ m} \times 0.25 \text{mm} \times 0$  Signal #2 Info :  $30 \text{ m} \times 0.25 \text{mm} \times 0.25$  um



Analytics Report 72549 page 0054 of 84

Page: 2

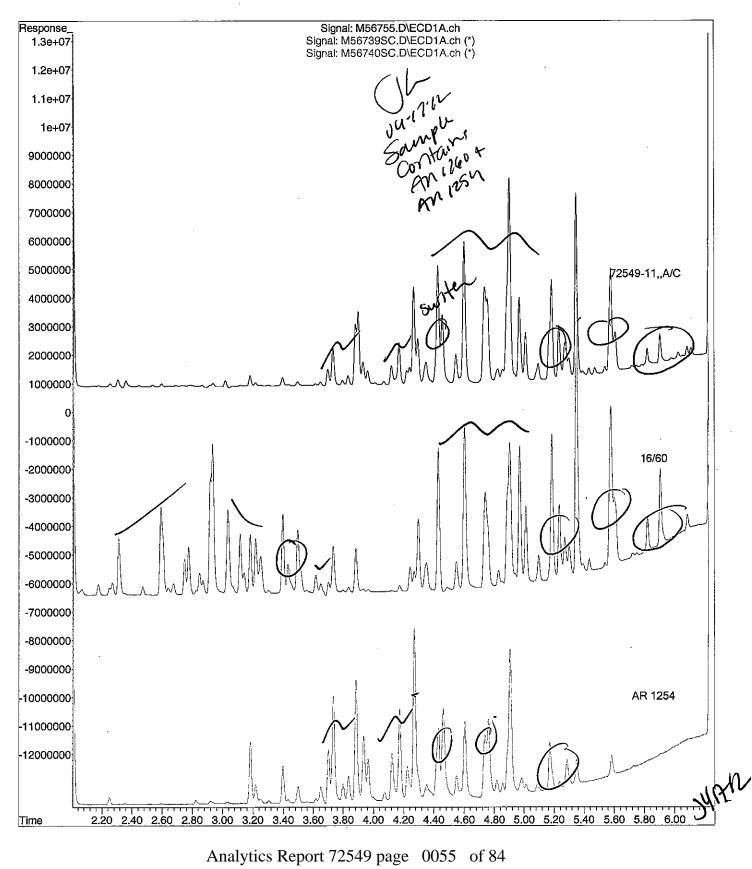
:C:\msdchem\1\DATA\041312-M\M56755.D File

Operator : JK

: 13 Apr 2012 1:24 pm using AcqMethod PCB.M Acquired

Instrument M Instrument : Sample Name: 72549-11,,A/C

Misc Info : SOIL Vial Number: 20





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

# CLIENT SAMPLE ID

Project Name:

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-030

April 17, 2012

SAMPLE DATA

Lab Sample ID:

72549-12

Matrix:

Solid

Percent Solid:

100

**Dilution Factor:** 

0.9

**Collection Date:** 

04/10/12

Lab Receipt Date: **Extraction Date:** 

04/11/12 04/12/12

**Analysis Date:** 

04/13/12

PCR	ANAT	YTICAL	RESHI	TS.
FUID	AINAI			

COMPOUND	Quantitation Limit μg/kg	Results μg/kg
PCB-1016	30	U
PCB-1221	30	Ū
PCB-1232	30	U
PCB-1242	30	U
PCB-1248	30	U
PCB-1254	30	69
PCB-1260	30	84

# Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

97

%

Decachlorobiphenyl

77 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-12,,A/C

Column ID: 0.25 mm

Data File: M56756.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 0.9

Column ID: 0.25 mm

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Cal	umn	Ŧ

# Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	84	83	1.7	
PCB 1254	69	60	15.3	

# Column to be used to flag RPD values greater than QC limit of 40%

\* Values outside QC limits

Comments:			

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56756.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 1:34 pm Acq On

Operator : JK

: 72549-12,,A/C Sample

Misc : SOIL

ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:18:20 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

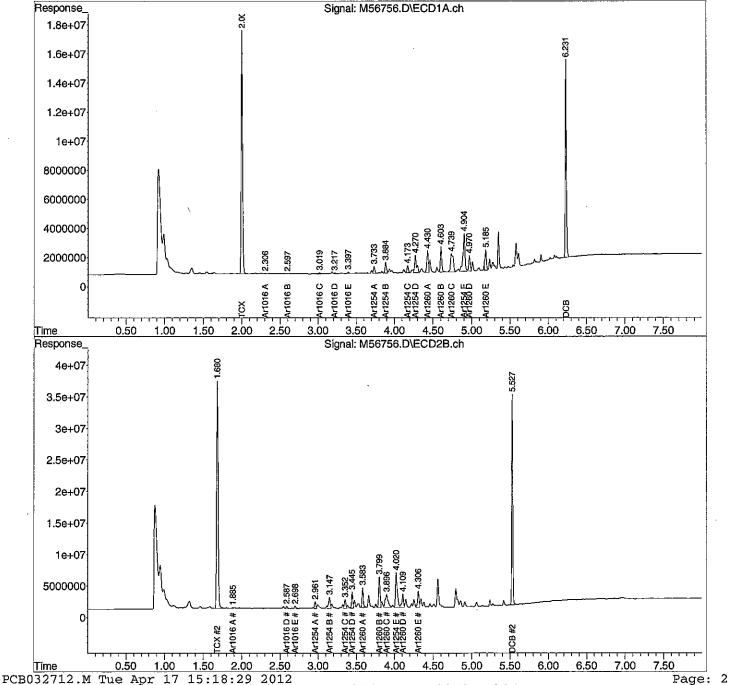
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



Analytics Report 72549 page 0058 of 84

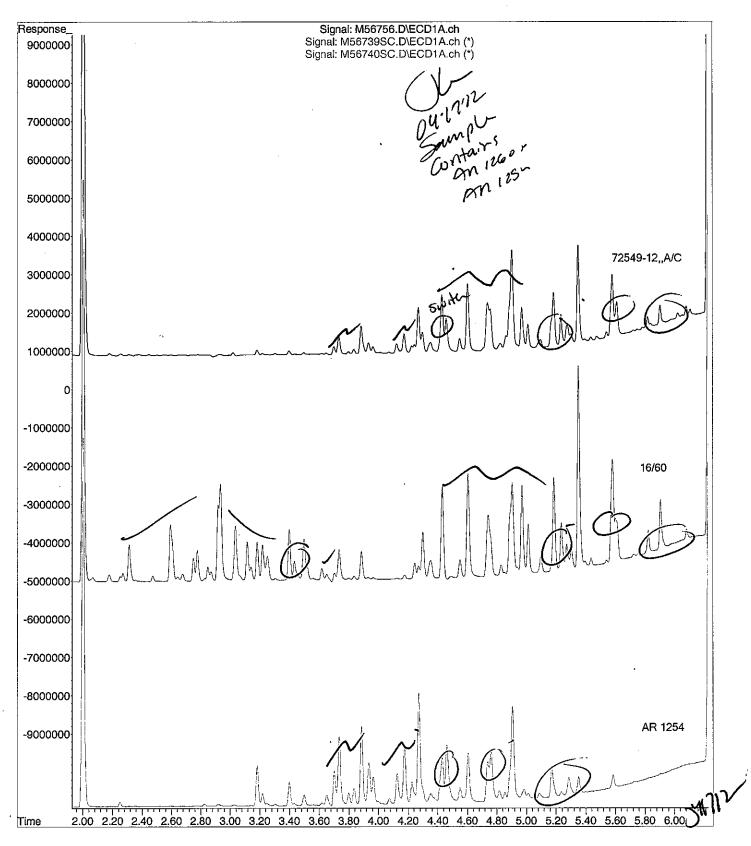
File :C:\msdchem\1\DATA\041312-M\M56756.D

Operator : JK

: 13 Apr 2012 1:34 pm using AcqMethod PCB.M : Instrument M Acquired

Instrument: Sample Name: 72549-12,,A/C

Misc Info : SOIL Vial Number: 21





Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

# CLIENT SAMPLE ID

**Project Name:** 

Amherst College, Davis Hall

**Project Number:** 

225406

Field Sample ID:

DH-VBB-031

April 17, 2012

## SAMPLE DATA

Lab Sample ID:

72549-13 Solid

Matrix:

100

Percent Solid:

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date: **Extraction Date:** 

04/11/12 04/12/12

**Analysis Date:** 

04/13/12

## PCB ANALYTICAL RESULTS

	·	
COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	υ
PCB-1254	33	127
PCB-1260	33	152

# Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

97

%

Decachlorobiphenyl

76 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-13,,A/C

Column ID: 0.25 mm

Data File: M56757.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Cal	lumn	44

# Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	152	145	4.6	
PCB 1254	127	103	20.6	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	

<sup>\*</sup> Values outside QC limits

Data Path : C:\msdchem\1\DATA\041312-M\

Data File: M56757.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 13 Apr 2012 1:44 pm

Operator : JK

Sample : 72549-13,,A/C

Misc : SOIL

ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:20:03 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

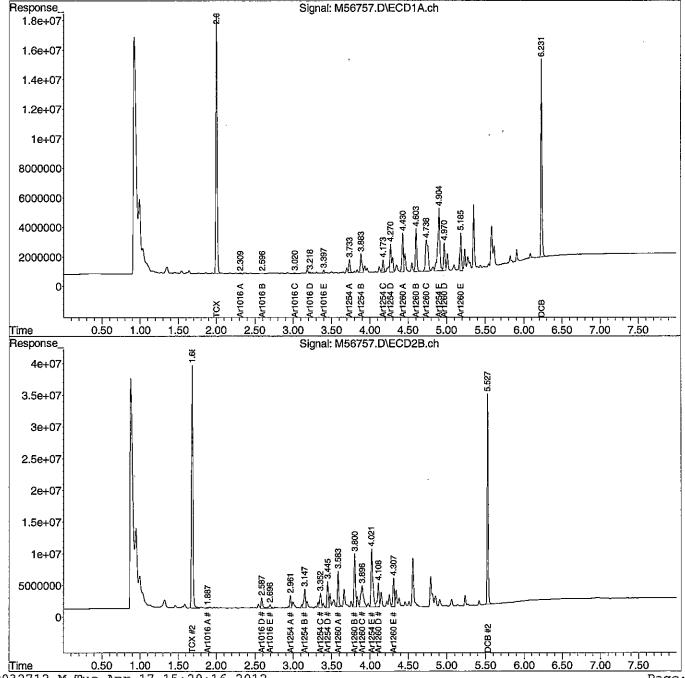
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



PCB032712.M Tue Apr 17 15:20:16 2012 Analytics Report 72549 page 0062 of 84

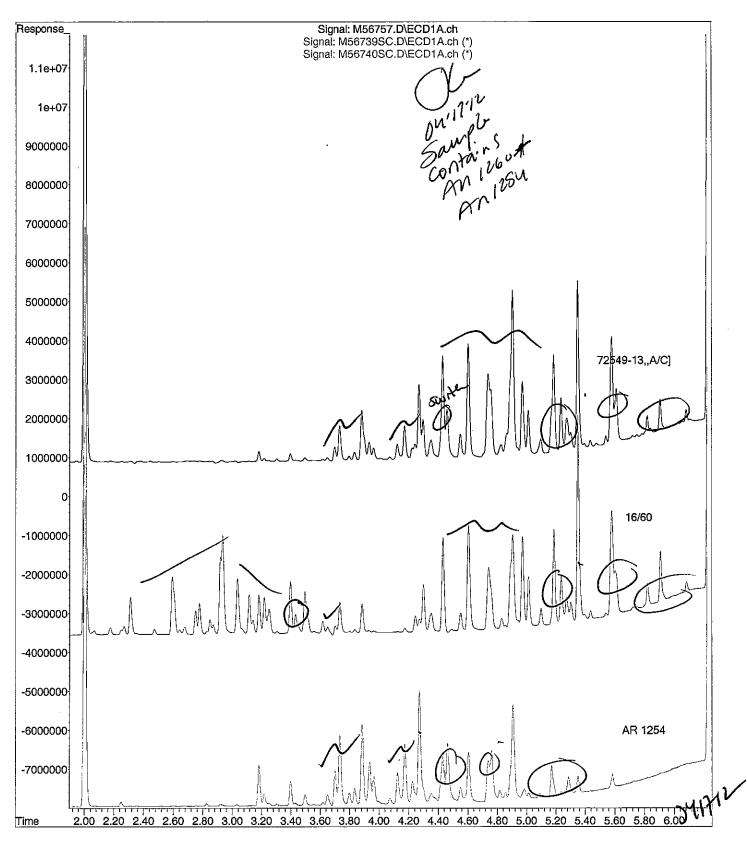
File :C:\msdchem\1\DATA\041312-M\M56757.D

Operator : JK

Acquired : 13 Apr 2012 1:44 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-13,,A/C

Misc Info : SOIL Vial Number: 22





Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**Project Name:** 

**Project Number:** 

Field Sample ID:

CLIENT SAMPLE ID

225406

DH-VBB-032

April 17, 2012

# SAMPLE DATA

Lab Sample ID:

72549-14

Matrix:

Solid

Percent Solid:

100

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date: **Extraction Date:** 

04/11/12 04/12/12

**Analysis Date:** 

04/13/12

# PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	ŭ
PCB-1242	33	· U
PCB-1248	33	U
PCB-1254	33	269
PCB-1260	33	391

# Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

95 %

Decachlorobiphenyl

76 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-14,,A/C

Column ID: 0.25 mm

Data File: M56758.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

Column	#1	Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	391	340	13.9	
PCB 1254	269	219	20,2	

# Column to be used to flag RPD values greater than QC limit of 40%

Comments:	

<sup>\*</sup> Values outside QC limits

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56758.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

: 13 Apr 2012 Acq On 1:54 pm

Operator : JK

: 72549-14,,A/C Sample

Misc : SOIL

ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 17 15:21:12 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

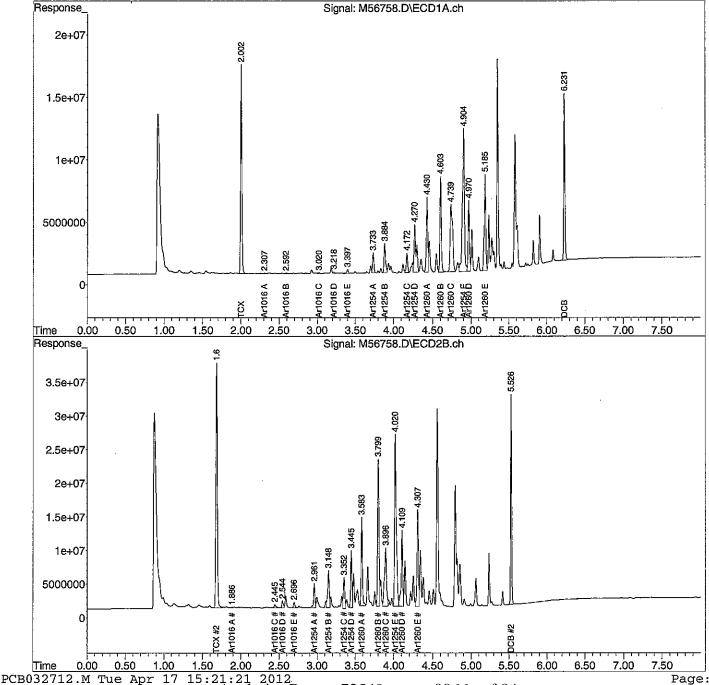
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



Analytics Report 72549 page 0066 of 84

Page: 2

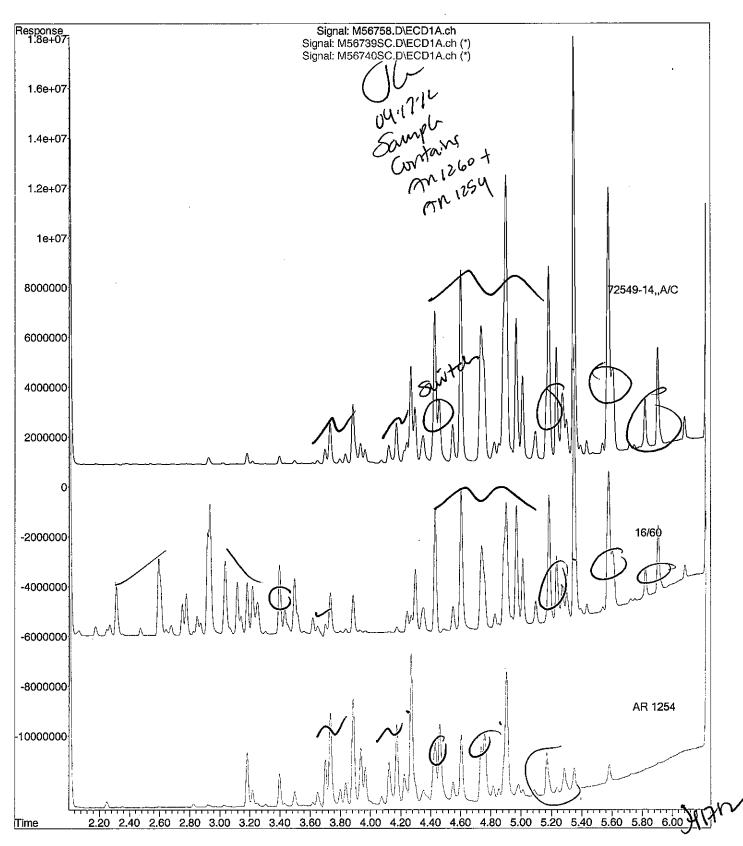
File :C:\msdchem\1\DATA\041312-M\M56758.D

Operator : JK

Acquired : 13 Apr 2012 1:54 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-14,,A/C

Misc Info : SOIL Vial Number: 23



Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

Project Name:

Project Number:

Field Sample ID:

CLIENT SAMPLE ID

225406

DH-VBB-033

April 17, 2012

## SAMPLE DATA

Lab Sample ID:

72549-15

Matrix:

Solid

Percent Solid:

96

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/12/12

**Analysis Date:** 

04/13/12

# PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results μg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	277
PCB-1260	33	335

# Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

99 %

Decachlorobiphenyl

79 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS:

Results are expressed on a dry weight basis.

PCB Report

Authorized signature Mullell

# PCB COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M

SDG: 72549

GC Column #1: STX-CLPesticides I

Sample: 72549-15,,A/C

Column ID: 0.25 mm

Data File: M56759.D

GC Column #2: STX-CLPesticides II

Dilution Factor: 1.0

Column ID: 0.25 mm

~ 1	l .	41
( ,VI	umn	#

# Column #2

COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	335	315	6.2	
PCB 1254	277	229	18.9	

# Column to be used to flag RPD values greater than QC limit of 40%

\* Values outside QC limits

Comments:	

Data Path: C:\msdchem\1\DATA\041312-M\

Data File: M56759.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 13 Apr 2012 2:04 pm

Operator : JK

Sample : 72549-15,,A/C

Misc : SOIL

ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e
Quant Time: Apr 17 15:22:18 2012
Quant Method : C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

QLast Update : Wed Apr 11 02:27:44 2012

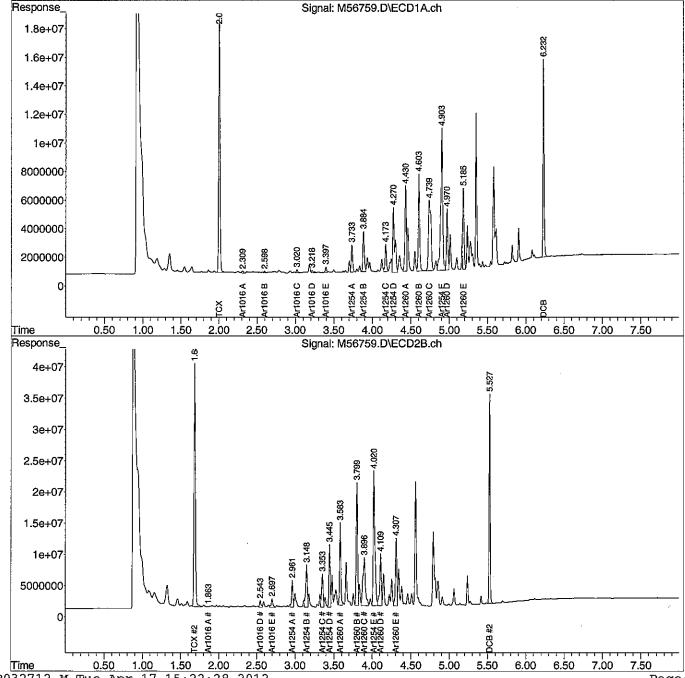
Response via : Initial Calibration

Integrator: ChemStation

: 2 uL Volume Inj.

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



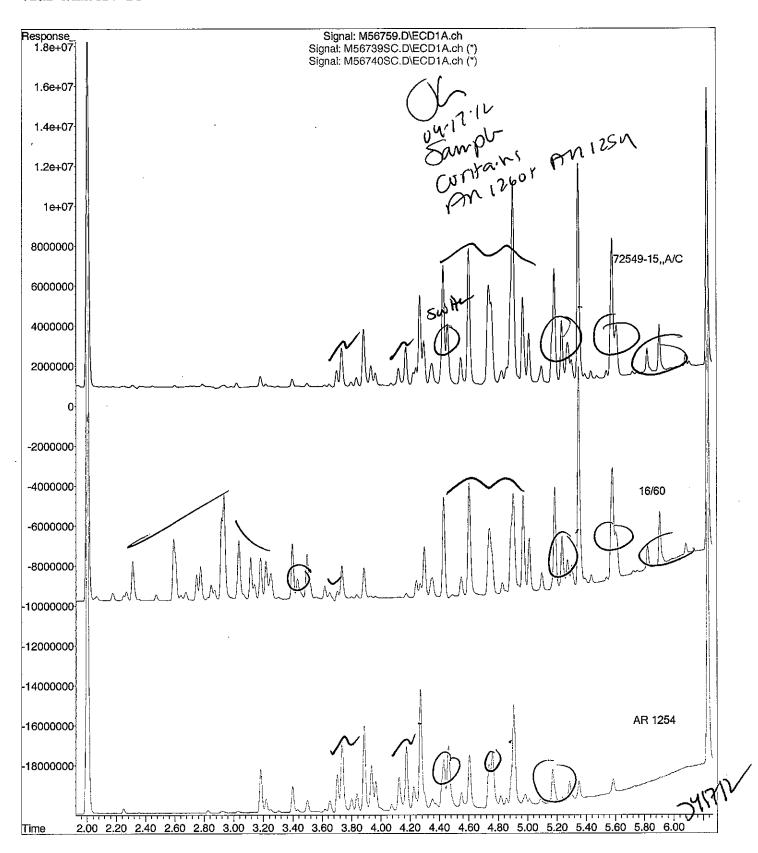
File :C:\msdchem\1\DATA\041312-M\M56759.D

Operator : JK

Acquired: 13 Apr 2012 2:04 pm using AcqMethod PCB.M

Instrument : Instrument M
Sample Name: 72549-15,,A/C

Misc Info : SOIL Vial Number: 24



Amherst College, Davis Hall

Mr. George Franklin Woodard & Curran 35 NE Business Center Suite 180 Andover MA 01810

**Project Name:** 

**Project Number:** 

Field Sample ID:

**CLIENT SAMPLE ID** 

225406

DH-VBBQ-034

April 18, 2012

# SAMPLE DATA

Lab Sample ID:

72549-16

Matrix:

Aqueous

Percent Solid:

N/A

**Dilution Factor:** 

1.0

**Collection Date:** 

04/10/12

Lab Receipt Date:

04/11/12

**Extraction Date:** 

04/17/12

**Analysis Date:** 

04/18/12

# PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit $\mu g/L$	Results μg/L
PCB-1016	0.2	U
PCB-1221	0.2	. U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

## Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene

88 %

Decachlorobiphenyl

83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB Report

Authorized signature Jenne Henrig

Data Path : C:\msdchem\1\DATA\041712-M\

Data File: M56916.D

Signal(s): Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Acq On : 18 Apr 2012 12:05 am

Operator : JK/AR Sample : 72549-16

Misc

ALS Vial: 43 Sample Multiplier: 1

Integration File signal 1: events.e Integration File signal 2: events2.e Quant Time: Apr 18 09:15:10 2012

Quant Method: C:\msdchem\1\METHODS\PCB032712.M

Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254

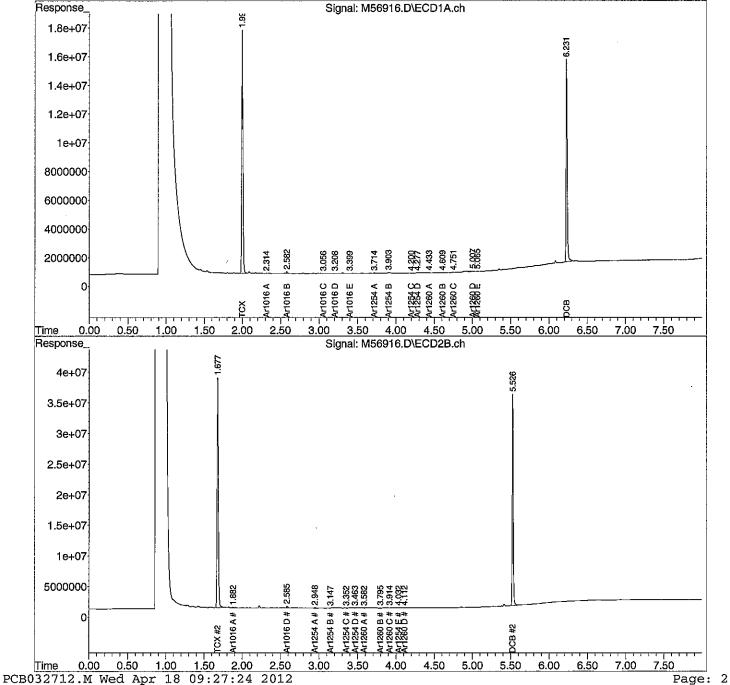
QLast Update : Wed Apr 11 02:27:44 2012 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 2 uL

Signal #1 Phase: STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides

Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





# PCB QC FORMS

# PCB SOIL SYSTEM MONITORING COMPOUNDS SUMMARY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 72549

		Columi	ı #1			Column	n #2	
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B041112PSOX2,,A/C	97		73		89		72	
L041112PSOX2,,A/C	102		76		94		75	
LD041112PSOX2,,A/C	101		76		94		75	
72549-3,,A/C	103		78		95		75	
72549-3,MS,,A/C	96		73		89		71	
72549-4,,A/C	96		72		86		69	
72549-5,,A/C	96		72		88		70	
72549-6,,A/C	98		74		88		70	
72549-7,,A/C	97		73		89		70	
72549-8,,A/C	97		76		90		72	
72549-9,,A/C	96		75		88		71	
72549-10,,A/C	95		75		89		71	
72549-11,,A/C	94		75		88		71	
72549-12,,A/C	97		77		90		72	
72549-13,,A/C	97		76		90		72	
72549-14,,A/C	95		76		88		67	
72549-15,,A/C	99		79	•	92		71	
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	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

- # Column to be used to flag recovery values outside of QC limits
- \* Values outside QC limits
- D System Monitoring Compound diluted out

# PCB SOIL SYSTEM MONITORING COMPOUNDS SUMMARY

SDG: 72549

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

		Column	ı #1		Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B041212PSOX,,A/C	105		81		91		79	
72549-1,1:10,,A/C	102		75		102		70	
72549-2,1:10,,A/C	103		78		103		73	
			•					
		,						

	Lower	Upper
SMC #1 = TCX	Limit 40	Limit 130
SMC $\#2 = DCB$	40	130

- # Column to be used to flag recovery values outside of QC limits
- \* Values outside QC limits
- D System Monitoring Compound diluted out

# PCB AQUEOUS SYSTEM MONITORING COMPOUNDS SUMMARY

SDG: 72549

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

		Column	ı #1			Colum	n #2	
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B041712PW	91		80		83		73	
L041712PWB	87		80		82		74	
LD041712PWB	87		80		82		75	
72549-16	88		83		83		76	
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	Lower	Upper
	Limit	Limit
SMC #1 = TCX	46	122
SMC #2 = DCB	40	135

- # Column to be used to flag recovery values outside of QC limits
- \* Values outside QC limits
- D System Monitoring Compound diluted out

### PCB SOIL LABORATORY CONTROL SAMPLE/DUPLICATE PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

SDG: 72549

Column ID: 0.25 mm

Non-spiked sample: B041112PSOX2,,A/C

GC Column #2: STX-CLPesticides II

Spike: L041112PSOX2,,A/C

Column ID: 0.25 mm

Spike duplicate: LD041112PSOX2,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER	UPPER	RPD LIMIT	NON-SPIKE RESULT (up/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP	#	RPD #
PCB 1016	133	133	65	140	30	0	130	98		130	97		0.2
PCB 1260	133	133	60	130	30	0	133	100	·	132	99		0.9
PCB 1016 #2	133	133	65_	140	30	0	124	93		124	93		0.4
PCB 1260 #2	133	133	60	130	30	0	122	91		121	91		0.6

# Column to be used to flag recovery and RPD values outside of QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:	 
	<del></del>

<sup>\*</sup> Values outside QC limits

# PCB SOIL MATRIX SPIKE PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

SDG: 72549

Column ID: 0.25 mm

Non-spiked sample: 72549-3,,A/C

GC Column #2: STX-CLPesticides II

Spike: 72549-3,MS,,A/C

Column ID: 0.25 mm

	LCS SPIKE	LOWER	UPPER	RPD	NON-SPIKE	SPIKE	SPIKE	
COMPOUND	ADDED (ug/kg)	LIMIT	LIMIT	LIMIT	RESULT (ug/kg)	RESULT (ug/kg)	% REC	#
PCB 1016	198	65	140	30	0	225	114	
PCB 1260	198	60	130	30	189	370	92	
PCB 1016 #2	198	65	140	30	0	204	103	
PCB 1260 #2	198	60	130	30	171	320	75	

- # Column to be used to flag recovery and RPD values outside of QC limits
- \* Values outside QC limits

LCS spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:		 
•	•	

# PCB AQUEOUS LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

SDG: 72549

Column ID: 0.25 mm

Non-spiked sample: B041712PW

GC Column #2: STX-CLPesticides II

Spike: L041712PWB

Column ID: 0.25 mm

Spike duplicate: LD041712PWB

	LCS SPIKE	LCSD SPIKE	LOWER	UPPER	RPD	NON-SPIKE	SPIKE	SPIKE	SPIKE DUP	SPIKE DUP		
COMPOUND	ADDED (ug/L)	ADDED (ug/L)	LIMIT	LIMIT	LIMIT	RESULT (ug/L)	RESULT (ug/L)	% REC	RESULT (ug/L)	% REC #	RPD	#
PCB 1016	2.0	2.0	79	113	25	0.0	1.8	89.9	1.8	91.1	1.3	Ш
PCB 1260	2.0	2.0	58	115	25	0.0	1.8	92.0	1.9	94.8	3.0	Ц
PCB 1016 #2	2.0	2.0	81	112	25	0.0	1.7	84.1	1.7	86.8	3.1	Ш
PCB 1260 #2	2.0	2.0	54	123	25	0.0	1.7	84.8	1.7	87.1	2.7	Ш

- # Column to be used to flag recovery and RPD values outside of QC limits
- \* Values outside QC limits

LCS/LCSD spike added values have been volume adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:			



# **CHAIN OF CUSTODIES**

# Chain Of Custody Form

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CTC Perviounental CTC Proposition IIC	ory LLC			Portsmouth, NH 03801 (800) 929-9906	801	(603) 430-2151 Fax	Fax	Samples were:	John John John John John John John John
Project Name: AMMERST COLLEGE DAVIS	S HALL	_	ō	Circle and/or Write Reauir	Required Analysis Followed by	ed bv Preservation Code	ø	2) Temperature (°C):	33
	Preservation Code:	:e:	PI	Please(6)1 in preser	in preservation code here	ere e		3) Received in good condition	ndition or N
Company: WOODARD & CORRAM	Preseravtion Key:	_	_	1125	_		_	4) pH checked by:	X 2
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Sample Identification Sample Date	Sample	Field Fil	SVOC:		VPH: F			Matrix No. of PH Containers checke	pH checked Analytics Sample #
DH-686-019 4/10/12	2 1030			*					72549-1
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DH-18B -022 4/10/12	LI11 2			×					12-1
- 023	2 1126			<b>×</b>					1.51
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Comments, Addition	onal Analyses, or Specia	Secial Instru	Loctions:	UET EXTURE	1 1	** List requested metals here		Project Requirements: *Fee may apply	its:
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72 Hours* S Days* Please note: For volatile analyses, a trip blank has been provided in the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler. If you want the trip blank run the cooler	latile analyses, a to write the trip bla been made	rip blank ha nk on the (	ss been pr 20C. Trip	ovided in the cooler Blank analyses will b	. If you want th e charged unles	e trip blank run ss other		Standard Other:	Type:
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# Chain Of Custody Form

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Charles A environmental Charles A laboratory LC	nental ny LLC			Portsn (800)	Portsmouth, NH 03801 (800) 929-9906	3801	(603) 430-2151 Fax	Fax	Samples were:	hand-delive	ired 20C	
Project Name: Ashuers -	HALL	_		irolo and/or	Write Regi	red Analysis Foll	Circle and/or Write Remired Analysis Followed by Preservation Code		2) Temperature (°C):	(°C):	2	I I I I
25 25 25 25 25 25 25 25 25 25 25 25 25 2		ode:		lease(1)	in prese	Please III in preservation code here	here		3) Received in good condition:	good cond	Oor, N	100
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quired):		terec 8260	:sə <u>l</u>	<b>(80)</b>	(D!a)	o IIn			SW = Surface M E = Extract		( = Other	Т
Sample Identification Date	Sample	VOC:	SVOC:	PCB: 8	TPH: 801	VPH: F			Matrix Conta	of pH iners checked	No. of pH Containers checked Analytics Sample #	
2/0/A 620 -881-HD	3571			Z							72549-1	
DH- V 83-030 4/10/12	60517			>							417	
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T2 Hours*    T2 Hours*   T3 Days*   Please note: For volatile analyses, a trip blank has been provided in the cooler. If you want the trip blank on the COC. Trip Blank analyses will be charged unless other steemay apply; lab approval required   arrangements have been made.	itile analyses, a write the trip bi been made.	trip blank I ank on the	has been p COC. Trip	rovided in Blank ana	the coole lyses will	r. If you want be charged ur	has been provided in the cooler. If you want the trip blank run e COC. Trip Blank analyses will be charged unless other		Standard	Other:	Type:	, , 1
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# ANALYTICS SAMPLE RECEIPT CHECKLIST



AEL LAB#: 72549	COOLER NUMBER:	47
CLIENT: Woodard & Curran	NUMBER OF COOLERS:	
PROJECT: Amberst College Davis Hall		
A: PRELIMINARY EXAMINATION:		
1. Cooler received by(initials):	COOLER RECEIVED/OPENED:	4/4/12
2. Circle one: Hand delivered	Shipped	
3. Did cooler come with a shipping slip? (If so, skip 3)	Y	( N (K)
3a. Enter carrier name and airbill number here:		
4. Were custody seals on the outside of cooler? How many & where: Seal Date:	Y Seal Name:	N
5. Did the custody seals arrive unbroken and intact upon arrival?	Y	(MA)
6. COC#:	_	
7. Were Custody papers filled out properly (ink, signed, legible, project info	rmation etc)?	N
8. Were custody papers sealed in a plastic bag?	$\mathcal{Q}_{\mathcal{A}}$	N
9. Did you sign the COC in the appropriate place?	Y	20 C
10. Was enough ice used to chill the cooler?	Temp. of cooler:	<u>5-C</u>
B. Log-In: Date samples were logged in:	_ By: KB	-
11. Were all bottles sealed in separate plastic bags?	Ø Y	$\binom{N}{}$
12. Did all bottles arrive unbroken and were labels in good condition?	Ŷ	N
13. Were all bottle labels complete(ID,Date,time,etc.)	Ý	N
14. Did all bottle labels agree with custody papers?	(Y)	N
15. Were the correct containers used for the tests indicated:	(Y)	N
16. Were samples received at the correct pH? Ag. Only	Y	N
17. Was sufficient amount of sample sent for the tests indicated?	9	N
18. Were all samples submitted within holding time?	(Y)	N
19. Were VOA samples absent of greater than pea-sized bubbles?  (Note:Pea-sized bubbles or smaller are acceptable and are not considered to	Y adversely affect volatiles data.)	(N*/4)
*If NO, List Sample ID's, Lab #s:		
When bubbles are present in VOA samples they are labelled from smallest (or no bubbles) to larger	st. Lab to analyze VOA samples with ea bu	hbles or
when outdoors are present in YOA samples they are labelled from smallest (or no outdoors) to larger smallest bubbles first	to many to row samples with no bu	_
20. Laboratory labeling verified by (initials):	Date	: 4/uliz



June 19, 2012

George Franklin Woodard & Curran - Andover, MA 35 New England Business Center Andover, MA 01810

Project Location: Amherst College - Davis Hall

Client Job Number: Project Number: 225406

Laboratory Work Order Number: 12F0552

Meghan S. Kelley

Enclosed are results of analyses for samples received by the laboratory on June 15, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Woodard & Curran - Andover, MA
35 New England Business Center
6/19/2012

Andover, MA 01810 ATTN: George Franklin PURCHASE ORDER NUMBER:

PROJECT NUMBER: 225406

## ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F0552

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Amherst College - Davis Hall

_	FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
	DH-VBB-044	12F0552-01	Brick		SW-846 8082A	
	DH-VBB-045	12F0552-02	Brick		SW-846 8082A	
	DH-VBB-046	12F0552-03	Brick		SW-846 8082A	
	DH-VBB-047	12F0552-04	Brick		SW-846 8082A	
	DH-VBB-048	12F0552-05	Brick		SW-846 8082A	
	DH-VBB-049	12F0552-06	Brick		SW-846 8082A	
	DH-VBB-050	12F0552-07	Brick		SW-846 8082A	
	DH-VBB-051	12F0552-08	Brick		SW-846 8082A	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian Laboratory Manager



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

**Field Sample #: DH-VBB-044** Sampled: 6/15/2012 11:50

Sample ID: 12F0552-01
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:14	MJC
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		109	30-150					6/18/12 18:14	
Decachlorobiphenyl [2]		102	30-150					6/18/12 18:14	
Tetrachloro-m-xylene [1]		95.0	30-150					6/18/12 18:14	
Tetrachloro-m-xylene [2]		109	30-150					6/18/12 18:14	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-045 Sampled: 6/15/2012 12:00

Sample ID: 12F0552-02
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:26	MJC
Surrogates		% Recovery	Recovery Limits	i	Flag				
Decachlorobiphenyl [1]		113	30-150					6/18/12 18:26	
Decachlorobiphenyl [2]		106	30-150					6/18/12 18:26	
Tetrachloro-m-xylene [1]		105	30-150					6/18/12 18:26	
Tetrachloro-m-xylene [2]		118	30-150					6/18/12 18:26	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-046 Sampled: 6/15/2012 12:05

Sample ID: 12F0552-03
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:39	MJC
Surrogates		% Recovery	Recovery Limits	5	Flag				
Decachlorobiphenyl [1]		109	30-150					6/18/12 18:39	
Decachlorobiphenyl [2]		102	30-150					6/18/12 18:39	
Tetrachloro-m-xylene [1]		96.1	30-150					6/18/12 18:39	
Tetrachloro-m-xylene [2]		109	30-150					6/18/12 18:39	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

**Field Sample #: DH-VBB-047** Sampled: 6/15/2012 12:10

Sample ID: 12F0552-04
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1260 [2]	0.12	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 18:51	MJC
Surrogates		% Recovery	Recovery Limits	s	Flag				
Decachlorobiphenyl [1]		101	30-150					6/18/12 18:51	
Decachlorobiphenyl [2]		94.6	30-150					6/18/12 18:51	
Tetrachloro-m-xylene [1]		89.3	30-150					6/18/12 18:51	
Tetrachloro-m-xylene [2]		102	30-150					6/18/12 18:51	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-048 Sampled: 6/15/2012 12:25

Sample ID: 12F0552-05
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:03	MJC
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		108	30-150					6/18/12 19:03	
Decachlorobiphenyl [2]		102	30-150					6/18/12 19:03	
Tetrachloro-m-xylene [1]		95.8	30-150					6/18/12 19:03	
Tetrachloro-m-xylene [2]		109	30-150					6/18/12 19:03	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-049 Sampled: 6/15/2012 12:20

Sample ID: 12F0552-06
Sample Matrix: Brick

Polychlorinated	<b>Binhenvls</b>	with 3540	<b>Soxhlet Extraction</b>	
1 ory chilor mateu	Diplicityis	WILL 2240	Sommet Extraction	

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:16	MJC
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		112	30-150					6/18/12 19:16	
Decachlorobiphenyl [2]		105	30-150					6/18/12 19:16	
Tetrachloro-m-xylene [1]		98.6	30-150					6/18/12 19:16	
Tetrachloro-m-xylene [2]		112	30-150					6/18/12 19:16	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-050 Sampled: 6/15/2012 12:55

Sample ID: 12F0552-07
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1254 [2]	0.12	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:28	MJC
Surrogates		% Recovery	Recovery Limits	i	Flag				
Decachlorobiphenyl [1]		115	30-150					6/18/12 19:28	
Decachlorobiphenyl [2]		107	30-150					6/18/12 19:28	
Tetrachloro-m-xylene [1]		99.7	30-150					6/18/12 19:28	
Tetrachloro-m-xylene [2]		113	30-150					6/18/12 19:28	



Project Location: Amherst College - Davis Hall Sample Description: Work Order: 12F0552

Date Received: 6/15/2012

Field Sample #: DH-VBB-051 Sampled: 6/15/2012 13:00

Sample ID: 12F0552-08
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1254 [1]	0.15	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/15/12	6/18/12 19:40	MJC
Surrogates		% Recovery	Recovery Limits	S	Flag				
Decachlorobiphenyl [1]		115	30-150					6/18/12 19:40	
Decachlorobiphenyl [2]		108	30-150					6/18/12 19:40	
Tetrachloro-m-xylene [1]		100	30-150					6/18/12 19:40	
Tetrachloro-m-xylene [2]		113	30-150					6/18/12 19:40	



## **Sample Extraction Data**

### Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12F0552-01 [DH-VBB-044]	B053495	2.00	10.0	06/15/12
12F0552-02 [DH-VBB-045]	B053495	2.10	10.0	06/15/12
12F0552-03 [DH-VBB-046]	B053495	2.20	10.0	06/15/12
12F0552-04 [DH-VBB-047]	B053495	2.20	10.0	06/15/12
12F0552-05 [DH-VBB-048]	B053495	2.00	10.0	06/15/12
12F0552-06 [DH-VBB-049]	B053495	2.00	10.0	06/15/12
12F0552-07 [DH-VBB-050]	B053495	2.10	10.0	06/15/12
12F0552-08 [DH-VBB-051]	B053495	2.10	10.0	06/15/12



### QUALITY CONTROL

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B053495 - SW-846 3540C										
Blank (B053495-BLK1)				Prepared: 06	/15/12 Analy	yzed: 06/18/	12			
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.981		mg/Kg	1.00		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.926		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			
LCS (B053495-BS1)				Prepared: 06	/15/12 Analy	yzed: 06/18/	12			
Aroclor-1016	0.28	0.10	mg/Kg	0.250		111	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		118	40-140			
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.939		mg/Kg	1.00		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.07		mg/Kg	1.00		107	30-150			
LCS Dup (B053495-BSD1)				Prepared: 06	/15/12 Analy	yzed: 06/18/	12			
Aroclor-1016	0.28	0.10	mg/Kg	0.250		113	40-140	1.64	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140	1.94	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112	40-140	2.69	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	2.17	30	
Surrogate: Decachlorobiphenyl	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.963		mg/Kg	1.00		96.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.10		mg/Kg	1.00		110	30-150			



### QUALITY CONTROL

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B053495 - SW-846 3540C										
Matrix Spike (B053495-MS1)	Sour	ce: 12F0552-	01	Prepared: 06	5/15/12 Analy	zed: 06/18/	12			
Aroclor-1016	0.29	0.10	mg/Kg	0.250	0.0	114	40-140			
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	0.0	110	40-140			
Aroclor-1260	0.31	0.10	mg/Kg	0.250	0.0	125	40-140			
Aroclor-1260 [2C]	0.33	0.10	mg/Kg	0.250	0.0	133	40-140			
Surrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.14		mg/Kg	1.00		114	30-150			
Matrix Spike Dup (B053495-MSD1)	Sour	ce: 12F0552-	01	Prepared: 06	5/15/12 Analy	zed: 06/18/	12			
Aroclor-1016	0.31	0.10	mg/Kg	0.250	0.0	123	40-140	7.40	50	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	0.0	113	40-140	2.02	50	
Aroclor-1260	0.32	0.10	mg/Kg	0.250	0.0	130	40-140	3.94	50	
Aroclor-1260 [2C]	0.34	0.10	mg/Kg	0.250	0.0	135	40-140	1.91	50	
Surrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.15		mg/Kg	1.00		115	30-150			



### FLAG/QUALIFIER SUMMARY

- \* QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.



### CERTIFICATIONS

### Certified Analyses included in this Report

Certifications	
CT,NH,NY,ME,NC	
	CT,NH,NY,ME,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

)#	MA State DW Form Required PWSID #	Connecticut:	RUSH	bed by: (signature) Date/Time:	Relinquished by:
ired	RCP Analysis Certification Form Required		Other	uk	1
uired	MCP Analytical Certification Form Required		, 🗖 10-Day	Date/Time:	Received
	is your project wich of acr	Massachusetts:	☐ 7-Day	DX KRIND BIKING KIS	K
<b>0</b> = other	Is voice project NICD or BCD 3	Detection Limit Requirements	Turnaround **	Relinguished by: (signature) Date/Time:	Relinguis
SL = sludge	High; M - Medium; L - Low; C - Clean; U - Unknown	H - High; M - Mc		RUSH TATT- 48 Hr	(3)
A = air	may be high in concentration in Matrix/Conc. Code Box:	mai mai	SONNETEXT (2) PL -	COMMISSING THE BOBY LOS JULY 35 FOR SON	
<b>DW</b> = drinking water	codes to let Con-Test know if a specific sample	Pleaselise	Γ		Comment
<b>WW</b> = wastewater		A 11 W	1/4/12 c/14/12	- DH VBB - 053	
GW= groundwater		(Un)	, ,	250 - NOS - PSC	
*Matrix Code:			V 6/14/12	* 5	
C = Other			, वर्ष्ट,	018   DH - VBB - 051	
T = Na thiosulfate	, ,		252	07 DH-V83-050	
X = Na hydroxide			220	06 DH-VBB-049	
S = Sulfuric Acid		B ULL	912 USI	08 Det - VBB - 848	
M = Methanol N = Nitric Acid		<b>*</b>	1210	OY 5H- VBB - 047	
H = HCL			1205	OS 54- VBB - 046	
**Preservation			17,00	02 DH-NBB- 648	
e.		B Wak	6/15/12 115b	DH-NBB- BYY	
<b>0</b> =Other			pate/ Hille pate/ Hille		(idD0)
T=tedlar bag		Composite Grab Fords Control Code		Con-Test Lab ID   Client Sample ID / Description	Con-1
S=summa can		O "Enhanced Data Package"	Collection		•
<b>ST</b> =sterile		O OTHER SIS	- Cilian	Project Proposal Provided? (for billing purposes) Ves <b>ソのに かにか</b> proposal date	Projec
<b>P</b> =plastic		AEVCE! CEIS	Format:		
G=glass		* ; ;	Email: aformalding	ed By: Kim Rinned	Sampled By:
***Cont. Code:		Eax # Jungare Comodend curren com	Eax # Jwar	Project Location: And College - Davis Hall	Project
		·	O FAX O EMAIL	On: J Hamel, G Frenklin, K Kinmel	Attention:
O Lab to Filter		DATA DELIVERY (check all that apply)	DATA DELIV	EX, 17/5	Have
O Field Filtered			Client PO#	7	2
Dissolved Metals	ANALYSIS REQUESTED	225486	Project #	35 N.E. Bus CA-	Address:
***Container Cod		G	Telephone:	Company Name: Woosa es + (secar-	Compa
** Preservation		しらいと		ANALYTICAL LABORATORY www.contestlabs.com	_
# of Containers			∘stlabs.com )	•	
Page of 18	East longmeadow, MA 01028	CHAIN OF COSTOUT RECORD	332	Phone: 413-525-2332 Phone: 413-525-6405	
•		•		!	

COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. TURNABOUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT Received by: (signature)

<u>(258</u> ロ †24-Hばり (48-Hz) ( ) ロ †72-Hr ロ †4-Day

Require lab approval

Other:

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

**NELAC & AIHA Certified** WBE/DBE Certified

39 Spruce St. East Longmeadow, MA. 01028 P: 413-525-2332

F: 413-525-6405 www.contestlabs.com





# **Sample Receipt Checklist**

CLIENT NAME: Wood 9 rd	+Curran REC	CEIVED BY: (.C-S	DATE: 6/15/12						
<ul><li>1) Was the chain(s) of custody re</li><li>2) Does the chain agree with the If not, explain:</li></ul>	samples?	Yes N Yes N							
3) Are all the samples in good co	ondition?	Ves N	0						
4) How were the samples receive	ed:								
On Ice Direct from S	ampling	ient 🔲 In Cooler(s	) [ <del>]</del>						
Were the samples received in Te	emperature Compliance of	`	,						
Temperature °C by Temp blank		perature °C by Temp gun	100						
5) Are there Dissolved samples f		Yes N							
Who was notified									
6) Are there any RUSH or SHORT	=		0						
Who was notified	Date	Time							
		Permission to sub	contract samples? Yes No						
7) Location where samples are stored: (Walk-in clients only) if not already approved									
	Client Signature:								
8) Do all samples have the prope	ur Aoid mHi. Voc. No. N								
	-	/A	_						
9) Do all samples have the prope	r Base pH: Yes No N	V/A							
Ce	ontainers receiv	ad at Can Tast							
	Jillainers receiv	ed at Con-Test							
	# of containers	ed at Con-Test	# of containers						
1 Liter Amber		8 oz amber/clear j							
1 Liter Amber 500 mL Amber			ar						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber)		8 oz amber/clear j	ar ar						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic		8 oz amber/clear j 4 oz amber/clear j	ar ar						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j	ar ar						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo	ar ar ar e						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10	ar ar ar e						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge	ar ar ar e						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit	ar ar ar e						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes	ar ar ar  e oc						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Conta	ar ar ar  e oc						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Conta	ar ar ar  e oc						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle		8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Conta	ar ar ar  e oc						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other Laboratory Comments:	# of containers	8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Conta Other glass jar	ar ar ar  e oc						
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Flashpoint bottle Perchlorate Kit Other	# of containers	8 oz amber/clear j 4 oz amber/clear j 2 oz amber/clear j Air Cassette Hg/Hopcalite Tub Plastic Bag / Ziplo PM 2.5 / PM 10 PUF Cartridge SOC Kit TO-17 Tubes Non-ConTest Conta Other glass jar	ar ar ar e oc						



June 20, 2012

George Franklin Woodard & Curran - Andover, MA 35 New England Business Center Andover, MA 01810

Project Location: Amherst College - Davis Hall Demo

Client Job Number: Project Number: 225406

Laboratory Work Order Number: 12F0595

Meghan S. Kelley

Enclosed are results of analyses for samples received by the laboratory on June 18, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley Project Manager



Woodard & Curran - Andover, MA 35 New England Business Center Andover, MA 01810

ATTN: George Franklin

REPORT DATE: 6/20/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 225406

### ANALYTICAL SUMMARY

12F0595 WORK ORDER NUMBER:

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Amherst College - Davis Hall Demo

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### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson Laboratory Director

Culu



Project Location: Amherst College - Davis Hall Dem Sample Description: Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-052** Sampled: 6/18/2012 09:10

Sample ID: 12F0595-01
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/20/12 9:35	MJC
Surrogates		% Recovery	Recovery Limits	1	Flag				-
Decachlorobiphenyl [1]		119	30-150					6/20/12 9:35	
Decachlorobiphenyl [2]		109	30-150					6/20/12 9:35	
Tetrachloro-m-xylene [1]		95.4	30-150					6/20/12 9:35	
Tetrachloro-m-xylene [2]		101	30-150					6/20/12 9:35	



Project Location: Amherst College - Davis Hall Dem Sample Description: Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-053** Sampled: 6/18/2012 09:15

Sample ID: 12F0595-02 Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
-				1 1	1 1115		•		
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:20	MJC
Surrogates		% Recovery	Recovery Limits	s	Flag				
Decachlorobiphenyl [1]		116	30-150					6/19/12 16:20	
Decachlorobiphenyl [2]		110	30-150					6/19/12 16:20	
Tetrachloro-m-xylene [1]		104	30-150					6/19/12 16:20	
Tetrachloro-m-xylene [2]		111	30-150					6/19/12 16:20	



Project Location: Amherst College - Davis Hall Dem Sample Description: Work Order: 12F0595

Date Received: 6/18/2012

Field Sample #: DH-VBB-054 Sampled: 6/18/2012 09:25

Sample ID: 12F0595-03
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:33	MJC
Surrogates		% Recovery	Recovery Limits	3	Flag				
Decachlorobiphenyl [1]		107	30-150					6/19/12 16:33	
Decachlorobiphenyl [2]		101	30-150					6/19/12 16:33	
Tetrachloro-m-xylene [1]		95.1	30-150					6/19/12 16:33	
Tetrachloro-m-xylene [2]		101	30-150					6/19/12 16:33	



Project Location: Amherst College - Davis Hall Dem Sample Description: Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-055** Sampled: 6/18/2012 09:35

Sample ID: 12F0595-04
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:46	MJC
Surrogates		% Recovery	Recovery Limits	s	Flag				-
Decachlorobiphenyl [1]		110	30-150					6/19/12 16:46	
Decachlorobiphenyl [2]		106	30-150					6/19/12 16:46	
Tetrachloro-m-xylene [1]		100	30-150					6/19/12 16:46	
Tetrachloro-m-xylene [2]		107	30-150					6/19/12 16:46	



Project Location: Amherst College - Davis Hall Dem Sample Description: Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-056** Sampled: 6/18/2012 09:50

Sample ID: 12F0595-05
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 16:59	MJC
Surrogates		% Recovery	Recovery Limit	s	Flag				
Decachlorobiphenyl [1]		110	30-150					6/19/12 16:59	
Decachlorobiphenyl [2]		106	30-150					6/19/12 16:59	
Tetrachloro-m-xylene [1]		103	30-150					6/19/12 16:59	
Tetrachloro-m-xylene [2]		109	30-150					6/19/12 16:59	



Project Location: Amherst College - Davis Hall Dem Sample Description: Top Floor Window Right Side Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-057** Sampled: 6/18/2012 14:45

Sample ID: 12F0595-06
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1254 [2]	0.12	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:12	MJC
Surrogates		% Recovery	Recovery Limits	6	Flag				-
Decachlorobiphenyl [1]		114	30-150					6/19/12 17:12	
Decachlorobiphenyl [2]		108	30-150					6/19/12 17:12	
Tetrachloro-m-xylene [1]		102	30-150					6/19/12 17:12	
Tetrachloro-m-xylene [2]		108	30-150					6/19/12 17:12	



Project Location: Amherst College - Davis Hall Dem Sample Description: Top Left Side Bsmt Storage Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-058** Sampled: 6/18/2012 14:20

Sample ID: 12F0595-07
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1254 [2]	0.33	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1260 [2]	0.40	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:25	MJC
Surrogates		% Recovery	Recovery Limit	ts	Flag				
Decachlorobiphenyl [1]		107	30-150					6/19/12 17:25	
Decachlorobiphenyl [2]		102	30-150					6/19/12 17:25	
Tetrachloro-m-xylene [1]		96.4	30-150					6/19/12 17:25	
Tetrachloro-m-xylene [2]		102	30-150					6/19/12 17:25	



Project Location: Amherst College - Davis Hall Dem Sample Description: Top Right Side - Mech Rm Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-059** Sampled: 6/18/2012 14:30

Sample ID: 12F0595-08
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
					Tag		•	•	
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:38	MJC
Surrogates		% Recovery	Recovery Limits	s	Flag				
Decachlorobiphenyl [1]		111	30-150					6/19/12 17:38	
Decachlorobiphenyl [2]		104	30-150					6/19/12 17:38	
Tetrachloro-m-xylene [1]		100	30-150					6/19/12 17:38	
Tetrachloro-m-xylene [2]		107	30-150					6/19/12 17:38	



Project Location: Amherst College - Davis Hall Dem Sample Description: 057 Dup Work Order: 12F0595

Date Received: 6/18/2012

Field Sample #: DH-VBBD-060 Sampled: 6/18/2012 14:45

Sample ID: 12F0595-09
Sample Matrix: Brick

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 17:50	MJC
Surrogates		% Recovery	Recovery Limit	ts	Flag				
Decachlorobiphenyl [1]		102	30-150					6/19/12 17:50	
Decachlorobiphenyl [2]		95.3	30-150					6/19/12 17:50	
Tetrachloro-m-xylene [1]		87.7	30-150					6/19/12 17:50	
Tetrachloro-m-xylene [2]		93.1	30-150					6/19/12 17:50	



Project Location: Amherst College - Davis Hall Dem Sample Description: 1st/2nd Floor Window Left Side Work Order: 12F0595

Date Received: 6/18/2012

**Field Sample #: DH-VBB-062** Sampled: 6/18/2012 15:00

Sample ID: 12F0595-10
Sample Matrix: Brick

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1260 [2]	0.11	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/18/12	6/19/12 18:03	MJC
Surrogates		% Recovery	Recovery Limits	S	Flag				
Decachlorobiphenyl [1]		121	30-150					6/19/12 18:03	
Decachlorobiphenyl [2]		113	30-150					6/19/12 18:03	
Tetrachloro-m-xylene [1]		106	30-150					6/19/12 18:03	
Tetrachloro-m-xylene [2]		113	30-150					6/19/12 18:03	



## **Sample Extraction Data**

### Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
12F0595-01 [DH-VBB-052]	B053587	2.00	10.0	06/18/12
12F0595-02 [DH-VBB-053]	B053587	2.10	10.0	06/18/12
12F0595-03 [DH-VBB-054]	B053587	2.00	10.0	06/18/12
12F0595-04 [DH-VBB-055]	B053587	2.10	10.0	06/18/12
12F0595-05 [DH-VBB-056]	B053587	2.00	10.0	06/18/12
12F0595-06 [DH-VBB-057]	B053587	2.00	10.0	06/18/12
12F0595-07 [DH-VBB-058]	B053587	2.10	10.0	06/18/12
12F0595-08 [DH-VBB-059]	B053587	2.10	10.0	06/18/12
12F0595-09 [DH-VBBD-060]	B053587	2.00	10.0	06/18/12
12F0595-10 [DH-VBB-062]	B053587	2.00	10.0	06/18/12



### QUALITY CONTROL

### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B053587 - SW-846 3540C										
Blank (B053587-BLK1)				Prepared: 06	5/18/12 Anal	yzed: 06/19/1	12			
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
roclor-1221 [2C]	ND	0.10	mg/Kg							
croclor-1232	ND	0.10	mg/Kg							
roclor-1232 [2C]	ND	0.10	mg/Kg							
aroclor-1242	ND	0.10	mg/Kg							
roclor-1242 [2C]	ND	0.10	mg/Kg							
aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
aroclor-1260 [2C]	ND	0.10	mg/Kg							
roclor-1262	ND	0.10	mg/Kg							
roclor-1262 [2C]	ND	0.10	mg/Kg							
roclor-1268	ND	0.10	mg/Kg							
roclor-1268 [2C]	ND	0.10	mg/Kg							
urrogate: Decachlorobiphenyl	1.20		mg/Kg	1.00		120	30-150			
urrogate: Decachlorobiphenyl [2C]	1.12		mg/Kg	1.00		112	30-150			
urrogate: Tetrachloro-m-xylene	1.03		mg/Kg	1.00		103	30-150			
urrogate: Tetrachloro-m-xylene [2C]	1.10		mg/Kg	1.00		110	30-150			
.CS (B053587-BS1)				Prepared: 06	5/18/12 Anal	yzed: 06/19/1	12			
Aroclor-1016	0.27	0.10	mg/Kg	0.250		109	40-140			
roclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
croclor-1260	0.27	0.10	mg/Kg	0.250		109	40-140			
aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		119	40-140			
urrogate: Decachlorobiphenyl	1.13		mg/Kg	1.00		113	30-150			
urrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	1.00		108	30-150			
urrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105	30-150			
urrogate: Tetrachloro-m-xylene [2C]	1.12		mg/Kg	1.00		112	30-150			
CS Dup (B053587-BSD1)				Prepared: 06	5/18/12 Anal	yzed: 06/19/1	12			
croclor-1016	0.26	0.10	mg/Kg	0.250		103	40-140	4.98	30	
aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		110	40-140	1.92	30	
aroclor-1260	0.27	0.10	mg/Kg	0.250		106	40-140	2.75	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	2.80	30	
urrogate: Decachlorobiphenyl	1.10		mg/Kg	1.00		110	30-150			
urrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.09		mg/Kg	1.00		109	30-150			



### FLAG/QUALIFIER SUMMARY

- QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.



### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte	Certifications	
SW-846 8082A in Product/Solid		
Aroclor-1016	CT,NH,NY,ME,NC	
Aroclor-1016 [2C]	CT,NH,NY,ME,NC	
Aroclor-1221	CT,NH,NY,ME,NC	
Aroclor-1221 [2C]	CT,NH,NY,ME,NC	
Aroclor-1232	CT,NH,NY,ME,NC	
Aroclor-1232 [2C]	CT,NH,NY,ME,NC	
Aroclor-1242	CT,NH,NY,ME,NC	
Aroclor-1242 [2C]	CT,NH,NY,ME,NC	
Aroclor-1248	CT,NH,NY,ME,NC	
Aroclor-1248 [2C]	CT,NH,NY,ME,NC	
Aroclor-1254	CT,NH,NY,ME,NC	
Aroclor-1254 [2C]	CT,NH,NY,ME,NC	
Aroclor-1260	CT,NH,NY,ME,NC	
Aroclor-1260 [2C]	CT,NH,NY,ME,NC	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

# **CHAIN OF CUSTODY RECORD**

39 Spruce Street

East longmeadow,	
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uired .	MCP Analytical Certification Form Required			☐ 10-Day	ne: 1.7	Repended by: (signature)
	Jour project mice or need.		Massachusetts:		6/18/12 1760	While Krimand
O = otner	ls your project MCP or BCP 2	irements	Detection Limit Require	Turnaround ** [		Relinquished by: (signature)
SL = sludge	High; M - Medium; L - Low; C - Clean; U - Unknown	H - High; M - Me		M Suite Doors	(4) North Stainmell Switz Doors	3 RUSH 4BK-TAT
A = air	use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:	use the following may be high in a	Please (	+ @ 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	via 3548 c Soulit	Comments DEPA BOST PLAS VIO 3540 C
WW= wastewater	1st/2nd Fly Labour LH side	<	8	ISAA	DH-VBB-062	10 DH-V
*Matrix Code: GW= groundwater	- Lesa -	ζ	*	1445	DH-VBBD-060	09 JH-VI
0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	Tap RH side - Made Pan	(		1430	BH-V8B-059	28-Hg 80
T = Na thiosulfate  O = Other	Top Lt side - Bout Storce	(		1478	DH-V8B-858	07 DH-V8
<ul><li>B = Sodium bisulfate</li><li>X = Na hydroxide</li></ul>	Tr. Flow willow DH side	(		17-55	3.057	450-281-HD 00
S = Sulfuric Acid		ζ	\$	0950	3-086	05 DH-VBB-086
M = Methanol		(	4	2590	3-058	
I = lced H = HCL		ζ		2550	3-054	03 DH-VBB-054
**Preservation		<		2160	3-053	02 DH-VBB-053
		<	B	09/0	3-057	250-88A-HQ
<b>T</b> =tedlar bag <b>O</b> =Other		Conc Code	Composite Grab Lode Cont	Beginning Ending Date/Time C	Client Sample ID / Description Dat	Con-Test Lab ID Client Sam
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***Cont. Code: A=amber glass			dand curren.		- DAVISHAII DEMO	Project Location: And College
() rab to 1 micr		C 1	VIL OWEBSITE	O FAX DEMAIL	Mix	Attention: J Hand, G. Frenklin
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Page 1 of 21	East longmeadow, MA 01028	NECO.			Phone: 413-525-2332  R Fax: 413-525-6405	

COMPLÉTELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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10 t24-HN 268-Hr T72-Hr T4-Day

Connecticut:

O MA State DW Form Required PWSID #

**NELAC & AIHA Certified WBE/DBE** Certified

TURNATOUND TIME (business days/STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

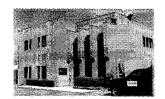
Other: 24 5

(T)Require lab approval

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com







CLIENT NAME: (NOWCON)	4 CONTON RECEI	IVED BY: 50	DATE: (0/16/12)
1) Was the chain(s) of custody re	elinquished and signed?	Yes No	No CoC Included
2) Does the chain agree with the If not, explain:	samples?	Yes No	
3) Are all the samples in good could not, explain:	ondition?	Yes No	
4) How were the samples receive	ed:		
On Ice Direct from S	ampling Ambie	nt In Cooler(s)	
Were the samples received in Te	. •		N/A
Temperature °C by Temp blank	Tempe	erature °C by Temp gun	5.7
5) Are there Dissolved samples 1		Yes No	•
	Date Ti		
6) Are there any RUSH or SHORT	Γ HOLDING TIME samples?	(Yes) No	
Who was notified		ime	
		Permission to subco	ontract samples? Yes No
7) Location where samples are store	ed: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(Walk-in clients only	y) if not already approved
•	\ \frac{1}{V}\	Client Signature:	
0.5		1	
8) Do all samples have the prope	er Acid pH: Yes No (N/A	<u> </u>	_
9) Do all samples have the prope	er Base pH: Yes No N	A)	
0		J - 1 O T - 1	
C	ontainers receive	ed at Con-Test	
777	# of containers		# of containers
1 Liter Amber		8 oz amber/clear ja	r
500 mL Amber		4 oz amber/clear ja	
250 mL Amber (8oz amber)	<b>-</b>	2 oz amber clear ja	r 10
1 Liter Plastic		Air Cassette	
500 mL Plastic	_	Hg/Hopcalite Tube	
250 mL plastic	<del> </del>	Plastic Bag / Ziploc	,
40 mL Vial - type listed below  Colisure / bacteria bottle	<del></del>	PM 2.5 / PM 10	
Dissolved Oxygen bottle		PUF Cartridge SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Contair	ner .
Perchlorate Kit		Other glass jar	iei
Other		Other	
Laboratory Comments:			•
40 mL vials: # HCl	# Methanoi		Time and Date Frozen:
Doc# 277 # Bisulfate	# DI Water		
Rev. 2 Sept 2011 # Thiosulfate	Unpreserved		Page 19 of 2

			RPD FOR I	טכ
12F0594-01	CF-426-1			
Analyte	Re	sults	%RPD	
Aroclor-1260 [2C]	9.6	6.38225	40.3	
Aroclor-1254	37	26.19425	34.2	
12F0595-01	DH-VBB-052			
Analyte	Re	sults	%RPD	
Surrogates				
Decachlorobiphenyl	1.19	1.08939	8.83	
Tetrachloro-m-xylene	0.954	1.00831	5.54	
12F0595-02	DH-VBB-053			
Analyte	Re	sults	%RPD	_
Surrogates				_
Decachlorobiphenyl	1.11	1.046076	5.93	
Tetrachloro-m-xylene	0.988	1.055329	6.59	
12F0595-03	DH-VBB-054			
Analyte	Re	sults	%RPD	
Surrogates				
Decachlorobiphenyl	1.07	1.012635	5.51	
Tetrachloro-m-xylene	0.951	1.011925	6.21	
12F0595-04	DH-VBB-055			
Analyte	Re	sults	%RPD	
Surrogates				
Decachlorobiphenyl	1.04	1.014248	2.51	
Tetrachloro-m-xylene	0.955	1.018414	6.43	
12F0595-05	DH-VBB-056			
Analyte	Re	sults	%RPD	
Surrogates				
Tetrachloro-m-xylene	1.03	1.0926	5.9	
Decachlorobiphenyl	1.10	1.055535	4.13	
12F0595-06	DH-VBB-057			
Analyte	Re	sults	%RPD	
Aroclor-1254 [2C]	0.12	0.093065	25.3	
Surrogates		4.000045	F 00	
Decachlorobiphenyl Tetrachloro-m-xylene	1.14 1.02	1.080915 1.083795	5.32 6.06	
Totaldinoro-III-Aylerie	1.02	1.003/33	0.00	
12F0595-07	DH-VBB-058		_	
Analyte		sults	%RPD	
Aroclor-1254 [2C]	0.33	0.2293572	36	
Aroclor-1260 [2C]	0.40	0.381581	4.71	
Surrogates  Decachlorobinhenyl	1.02	0.0601144	5.12	_
Decachlorobiphenyl Tetrachloro-m-xylene	0.918	0.9691144 0.9759858	6.12	
12F0595-08	DH-VBB-059			
Analyte		sults	%RPD	
Surrogates			5	
Tetrachloro-m-xylene	0.957	1.018414	6.22	
Decachlorobiphenyl	1.05	0.9912048	5.76	
12F0595-09	DH-VBBD-06	0		
Analyte		sults	%RPD	
Surrogates				_
Decachlorobiphenyl	1.02	0.952875	6.8	_
Tetrachloro-m-xylene	0.877	0.931485	6.03	
•				

12F0595-10	DH-VBB-062		
Analyte	Results		%RPD
Aroclor-1260 [2C] Surrogates	0.11	0.11129	1.17
Decachlorobiphenyl	1.21	1.13285	6.59
Tetrachloro-m-xylene	1.06	1.133015	6.66
B053587-BLK1	Blank		
Analyte	Results		%RPD
Surrogates			
Tetrachloro-m-xylene	1.03	1.10392	6.93
Decachlorobiphenyl	1.20	1.115575	7.29
B053587-BS1	LCS		
Analyte	Results		%RPD
Aroclor-1016	0.27	0.281455	4.15
Aroclor-1260	0.27	0.29646	9.34
Surrogates			
Tetrachloro-m-xylene	1.05	1.12169	6.6
Decachlorobiphenyl	1.13	1.07742	4.76
B053587-BSD1	LCS Dup		
Analyte	Results		%RPD
Aroclor-1016	0.26	0.276095	6
Aroclor-1260	0.27	0.28828	6.55
Surrogates			
Decachlorobiphenyl	1.10	1.045985	5.03
Tetrachloro-m-xylene	1.03	1.087175	5.4
B053587-MS1	Matrix Spike		
Analyte	Results		%RPD
Aroclor-1260	12	16.15025	29.5
B053587-MSD1	Matrix Spike Dup		
Analyte	Results		%RPD
Aroclor-1260	13	16.326	22.7



September 13, 2012

George Franklin Woodard & Curran - Andover, MA 35 New England Business Center Andover, MA 01810

Project Location: Amherst College Davis Hall

Client Job Number: Project Number: 225406

Laboratory Work Order Number: 12F0648

Meghan S. Kelley

Enclosed are results of analyses for samples received by the laboratory on June 19, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley Project Manager



Woodard & Curran - Andover, MA 35 New England Business Center Andover, MA 01810 ATTN: George Franklin REPORT DATE: 9/13/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 225406

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12F0648

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Amherst College Davis Hall

FIELD SAMPLE # LAB ID: MATRIX SAMPLE DESCRIPTION TEST SUB LAB

DH-VBQ-061 12F0648-01 Water SW-846 8082A



best of my knowledge and belief, accurate and complete.

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.
REVISED REPORT - 09/13/2012 - Sample ID revised per clients request.
The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the



Project Location: Amherst College Davis Hall Sample Description: Work Order: 12F0648

Date Received: 6/19/2012

**Field Sample #: DH-VBQ-061** Sampled: 6/19/2012 11:25

Sample ID: 12F0648-01
Sample Matrix: Water

### Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1221 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1232 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1242 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1248 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1254 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1260 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1262 [1]	ND	0.20	μg/L	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Aroclor-1268 [1]	ND	0.20	$\mu g/L$	1		SW-846 8082A	6/21/12	6/21/12 18:17	JMB
Surrogates		% Recovery	Recovery Limits	6	Flag				
Decachlorobiphenyl [1]		76.1	30-150					6/21/12 18:17	
Decachlorobiphenyl [2]		73.2	30-150					6/21/12 18:17	
Tetrachloro-m-xylene [1]		70.7	30-150					6/21/12 18:17	
Tetrachloro-m-xylene [2]		71.2	30-150					6/21/12 18:17	



### **Sample Extraction Data**

### Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12F0648-01 [DH-VBQ-061]	B053744	500	5.00	06/21/12



### QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B053744 - SW-846 3510C										
Blank (B053744-BLK1)				Prepared &	Analyzed: 06	5/21/12				
Aroclor-1016	ND	0.20	μg/L							
Aroclor-1016 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1221	ND	0.20	$\mu g/L$							
Aroclor-1221 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1232	ND	0.20	$\mu g/L$							
Aroclor-1232 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1242	ND	0.20	$\mu g/L$							
Aroclor-1242 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1248	ND	0.20	$\mu g/L$							
Aroclor-1248 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1254	ND	0.20	$\mu g/L$							
Aroclor-1254 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1260	ND	0.20	$\mu g/L$							
Aroclor-1260 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1262	ND	0.20	$\mu g/L$							
Aroclor-1262 [2C]	ND	0.20	$\mu g/L$							
Aroclor-1268	ND	0.20	$\mu g/L$							
Aroclor-1268 [2C]	ND	0.20	$\mu \text{g}/L$							
Surrogate: Decachlorobiphenyl	1.67		μg/L	2.00		83.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.56		$\mu g/L$	2.00		77.9	30-150			
Surrogate: Tetrachloro-m-xylene	1.27		$\mu g/L$	2.00		63.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.33		μg/L	2.00		66.6	30-150			
LCS (B053744-BS1)				Prepared &	Analyzed: 06	5/21/12				
Aroclor-1016	0.48	0.20	μg/L	0.500		95.4	40-140			
Aroclor-1016 [2C]	0.50	0.20	$\mu g/L$	0.500		99.7	40-140			
Aroclor-1260	0.49	0.20	$\mu g/L$	0.500		98.8	40-140			
Aroclor-1260 [2C]	0.51	0.20	$\mu g/L$	0.500		101	40-140			
Surrogate: Decachlorobiphenyl	2.15		μg/L	2.00		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.99		$\mu g/L$	2.00		99.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.58		$\mu g/L$	2.00		79.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.68		$\mu g/L$	2.00		84.1	30-150			
LCS Dup (B053744-BSD1)				Prepared &	Analyzed: 06	5/21/12				
Aroclor-1016	0.47	0.20	μg/L	0.500		93.4	40-140	2.11	20	
Aroclor-1016 [2C]	0.49	0.20	μg/L	0.500		97.3	40-140	2.42	20	
Aroclor-1260	0.48	0.20	$\mu g/L$	0.500		96.5	40-140	2.28	20	
Aroclor-1260 [2C]	0.49	0.20	$\mu g/L$	0.500		98.9	40-140	2.31	20	
Surrogate: Decachlorobiphenyl	1.95		μg/L	2.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.82		μg/L	2.00		91.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.43		μg/L	2.00		71.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.53		μg/L	2.00		76.3	30-150			



### FLAG/QUALIFIER SUMMARY

- QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.



### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte	Certifications	
SW-846 8082A in Water		
Aroclor-1016	CT,NH,NY,RI,NC,ME	
Aroclor-1016 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1221	CT,NH,NY,RI,NC,ME	
Aroclor-1221 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1232	CT,NH,NY,RI,NC,ME	
Aroclor-1232 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1242	CT,NH,NY,RI,NC,ME	
Aroclor-1242 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1248	CT,NH,NY,RI,NC,ME	
Aroclor-1248 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1254	CT,NH,NY,RI,NC,ME	
Aroclor-1254 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1260	CT,NH,NY,RI,NC,ME	
Aroclor-1260 [2C]	CT,NH,NY,RI,NC,ME	
Aroclor-1262	NC	
Aroclor-1262 [2C]	NC	
Aroclor-1268	NC	
Aroclor-1268 [2C]	NC	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2013
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2013
FL	Florida Department of Health	E871027 NELAP	06/30/2013
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2013
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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O MA State	O MCP Anal	S YOU	H - High; M - Medium; L - Low; C - Clean; U - Unknown	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:										*	*Matrix Conc Code		<u>682</u>		<u></u>	es v	(Eller (CE)) (Elle	ANALYSIS REQUESTED			Action to the state of the stat	East long
MA State DW Form Required PWSID#	MCP Analytical Certification Form Required  RCP Analysis Certification Form Required	S YOUR Project MCP or RCP?		t know if a specific sample  //Conc. Code Box:  A ≈ air  S ≈ soil/solid	<u></u>	GW= groundwater	(1) (1) (2) (1) (2)	7 = Na thiosulfate	B = Sodium bisulfate X = Na hydroxide	S = Sulfuric Acid	W = Methanol	T = Icea	**Preservation		T=tedlar bag	V= vial	P=plastic ST=sterile	Gaglass	***Cont. Code:	O Lab to Filter	O Field Fiftered	QUESTED Dissolved Metals	***Container Code	** Preservation	# of Containers	East longmeadow, MA 01028

OMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. UNIVAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT † Require lab approval Please be careful not to contaminate this document WBE/DBE Certified

Other:

ecaived by: (signature)

Pate/Time:

□ <sup>†</sup>72-Hr □ <sup>†</sup>4-Day □ <sup>†</sup>24-Hr □ <sup>†</sup>48-Hr

NELAC & AIHA Certified

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405

www.contestlabs.com

CON-LEST



## Sample Receipt Checklist

CLIENT NAME: Woodard +	<u>Ceken</u>	RECEIVED BY:	JR	DATE: 6/19/62				
<ul><li>1) Was the chain(s) of custody re</li><li>2) Does the chain agree with the If not, explain:</li></ul>	-	ned?	Yes No Yes No	No CoC Included				
3) Are all the samples in good co If not, explain:	ndition?		Yes No					
4) How were the samples received On Ice Direct from Si	Paramount	Ambient	In Cooler(s)	Г				
Were the samples received in Te			Yes No	N/A				
Temperature °C by Temp blank		_Temperature °C b		33				
5) Are there Dissolved samples f	or the lab to filter?		Yes (No					
Who was notified	Date	Time						
6) Are there any RUSH or SHORT	HOLDING TIME sa	mples?	Yes (No)					
Who was notified	Date	Time						
7) Location where samples are stored:  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved Client Signature:								
8) Do all samples have the prope	r Acid pH: Yes N	0 (N/A)	AUUP CONTROL ON THE C					
9) Do all samples have the prope	r Base pH: Yes N	IO (AVZ) oi						
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	# of containers			# of containers				
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# APPENDIX C: WASTE DOCUMENTS

MINERVA ENTERPRISES, IN	HSES, IN		Ticket 📚	262624
9000 Minerya Rd. P.O. Box 709	Box 709		Date:	08/02/2012
Waynesburg, OH 44669		Customer Name	Time:	10:21:28 AM
Ph: 330-868-3435 Fax: 330-868-3488	<b>≅</b>	RT. Enterprises		
Customer #	769	Gross Weight:	128480	estre requirements and representation of the result of the
Transporterr	Waigle Trucking / L.	Tare Weight:	30660	
Truck Type:	Trailer dump	Net Weight(fons):	48.96	•
Truck License #	2802	Volume Recieved(yards):	-	75
Location:	MA, Amherst	Waste Type:	Non Friat	Non Frieble Asbestos
Generator:	Amharst Collage D	Minerva Job #:	st,ma"nf-acm/pcb	Ω
ME REPJP.O.#	erd			
Accepted:	Ves If No, in	If No, this material was rejected for the following reasons.	regeons.	and department on the second s

Driver.
| centify that all materials meet Stark
| county/ohio EPA specifications.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

-Minaly a Enterprises Representative:

# I PER

WAST	E SHIPMENT RECORD	DOCUMENT NU		10.004		,
£	ITY NAME Davis Hall		TENNENNA MANAGERINE SANDERS NO DE SANDE SANDE	AC-001		
Address 15 Me	errill Science Drive	OWNER'S NAME Address		erst College		Owner's Phone: 413-542-8189
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G	2.CONTRACTOR or OPERATOR'S NAM		!!!			Operator's Phone:
E	Address 14 Jewel Drive	NCM Der	nolition & Re	emediation, LP.		978-657-5445
N	city Wilmington	state Massach	usetts	<sub>Zip</sub> 01887		OPERATOR'S Fax:
R		C. (C. Angelet S. (C. C. C. Angeles and S. (C. C. C				978-657-5995
A	<ol> <li>Waste disposal Site (WDS): Name, Mailir</li> <li>Minerva Enterprises, LLC</li> </ol>	ng Address, and ch P.O. Box 709	ysical location	Phone: 330-866-3435		Onsite Disposal Yes or List:
o	8955 Minerva Road SE	Waynesburg, Ohio		Fax:330-866-3488		100.
R	4. Responsible Agency (Local, Dist:	rict, State, or E	PA Office who			
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			( )	1 RA		8/1/2012
passis pasgrap prograps (	10A Name of Transporter-1 (Verifies	Secript of above describ	ed materials)	Printed or Typed Name	W Title	Officer-
T R	Red Techn			Times of Types tyaine	o i i i i i	and the desired
A	Address	Phone	Fax	(		A 444 1917 (2000)
N	173 Pickering Street	860-342-1022 /	860-342-1042	· Company of the Comp		TZZZIOWANIA NA
S	Portland, CT 06480			Signature		
0	10.8 Name of Transporter-2 (Verilles	Receipt of above describe	sd materials)	Printed or Typed Name		Date:
R T	Weide Trucks			Michael	541	9
E	A74 Reneells Rel	Phone	Fax	11	1./	>
R	Linden DA			Signatude		5
	TRANSPORTERS: ANY REJECTED CR NON-Listed I				ght at loading locat	ion.)
If <u>NO</u> SKIP	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B; Tr	ans-2 ) Destination Facili	ty for Rejected Materia	ls: Driver Name!		***************************************
	Disposal Site Cwner or Auth, Agent:	<u> </u>	12. Was	ste Facility Discrepan	cy Indication	Spaca
D F	Certification of Receipt of Asbestos Materials except item 12 n	otes.				
I A S C		Disklavinierres				and the second
P I O L	TICKET # ZLO ZLO ZLO	4	THE RESIDENCE OF THE PROPERTY			
s i	Cartification of Receipt of asbestos materials covered by this n		n item 12.	Signatura		Monthi Day i Year
ATLY	Charon Di	mre		Almu	8	2 2 -

MINERVA ENTERPRISES, IN	Second se		Ticket 4	262625
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/02/2012
Wayneshurg, OH 44696		Customer Name	Time:	10:28:31 AM
Fh; 330-666-3466		RTL Enterprises		
Customer #:	THE STATE OF THE S	Gross Weight:	123820	
Transporterr	Weigle Trucking	Tare Weight:	32420	
Truck Type:	Trailer dump	Net Weight(tons):	200	
Truck License #	103	Volume Recieved(yards):	85	
Location:	MA, Amherst	Waste Type.	Non Friable Asbestos	Asbestos
Generator	Amherst College	Minerva Job #:	'st,ma"nf-acm/pcb	
ME REP/P.O.#	25			
Accepted:	Yas If No	If No, this material was rejected for the following reasons.	reasons.	Territorianisticophorapis Abattarios trides plates or designations

100 E 100 E 100 E

Driver.

I certify that all materials meet Stark County/ohio EPA specifications.

Minorva Enterprises Representative:
This certifies that the waste specified on this tigker has been properly disposed of in accordance with all local, state and federal regulations.

WASTE	SHIPMENT RECORD	DOCUMENT NUM		A		
	Y HAME Davis Hall		A	AC-001A		
Address 15 Merr	rill Science Drive erst state MA zia 0.1002	OWNER'S NAME Address		erst College East Drive		Owner's Phone: 413-542-8189
		<sup>city</sup> Amherst	19 November (State of State of		Z)p 01002	
E A N E	c.contractor or operator's NAM ddress 14 Jewel Drive ity Wilmington	NCM Dem		emediation, LP.		Operator's Phone:  978-657-5445  OPERATOR's Fax:  978-657-5995
RATO	<ol> <li>Waste disposal Site (WDS): Name, Mallin Minerva Enterprises LLC 8955 Minerva Road SE</li> </ol>	P.O. Box 709 Waynesburg, Ohio 4	4683-0709	Phone: 330-866-3435 Fax:330-866-3488	essacio della Millioni della Cimica della Ci	Onaite Disposal Yes or List:
THE PARTY OF THE P	4. Responsible Agency (Local, Dist.  Agency: EPA New England  Gty: Boston	r <u>íct, State, or EP</u> state Massachus		Address 1 Congress		
1 1	5. Pescription of Materials  Construction And Demolition Debri  Concrete PCB Bulk Product	S		6. Containers NO:	3	7. Total Quantity (Cubic Yards or Tons)
	See a se	A CONTRACTOR OF THE CONTRACTOR				
8	Special Handling Instructions & Additiona	il Information:		ACCOUNTS OF THE PARTY OF THE PA	TOTAL CONTRACTOR OF THE PARTY O	
	Principle of States  KICHARD A. MEARS	packed, marked, and to acceptable interv	d labeled and distinguished and go	are in all respects in proposernmental regulations	oper condition	accurately described by n for transportation by  Manthi Day I Year  O 8/01/2012
The R. A. H. S.			Fax	Printed or Typyd Name	& Title	Date: 8/1/12
	Portland, CT 06480	7.000 mg		Signature	#	8/11/13
O R T E	ddress Weight 113 and 3	Phone	Fax	Printed or Typed Name	& Title  O 1723 -	8/1/17
R	274 Reynolds Road Line PA 17744	(370) 326		Signature U	7	8/1/12
If NO L SKIP	CANSPORTERS: ANY REJECTED OR NON-Listed or Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.8: To	naterials <i>ADDED or REMOV</i> ans-2 ) Destination Facility f	<u>SD</u> during transit? (i or Rejected Material	EXCEPT Correcting Material Weig s: Driver Name	iht at loading local	lion.)
DF CE	Isposal Site Owner or Auth, Agents ertification of Receipt of Asbestos Materials except item 12 no	otes.	12. Was	te Facility Discrepand	y Indication	Spaca
O L CI	ertification of Receipt of asbestos materials covered by this n			Signaturo	5	Monthi Day i Year

MINERVA ENTERPRIS			Ticket W.	262620
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/02/2012
Waynesburg, OH 44698		Customer Name	Time:	10:11:09 AM
Ph; 330-866-3435   Fax: 330-866-3468		KTL Entoprises		
Customer #:	199	Gross Weight:	1987	
Transporterr	Weigle Tucking	Tare Weight:	34500	
Truck Type:	Trailer dump	Net Weight(tons):	54.10	
Truck Liconso #:	*	Volume Recieved(yards):	88	
Location	MA, Amherst	Waste Type:	Non Friable Asbestos	Asbastos
Generator	Amherst College	Minerve Job #	'amherat,ma*nf-ac	
ME REP/P.O.#	7			
Accepted:	Yes	If No, this material was rejected for the following reasons.	reasons.	to the desired to the state of

I certify that all materials meet Stark County/ohio EPA specifications.

Minarka Enterprises Representative:

This certifies that the waste specified on this ticket has been preperly disposed of in accordance with all local, state and federal regulations.

-24				
WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	3 12690	
1. FACILI	TY NAME		7 12000	
Address	DAVIS HALL		RST COLLEGE	Owner's Phone: 413-
15 M	ERRILL SCIENCE DRIVE	Address 6 EA	ST DRIVE	542-8189
City AM H E	ERST MA OIOOZ			Owner's Fax:
AMHE	KSI MA OIDOX		State Zip	
		AMHERST	MA GIOOZ	
G	2.CONTRACTOR or OPERATOR'S NAM	E NCM DEMOLITIE	DN + REMEDIATION, LP.	Operator's Phone: 978
E	Address 14 JEWEL DRIVE			657-3443
N E	City WILMINGTON	State	Zip	OPERATOR'S Fax: 978
R	WILFIINGIEN	MASSACHUSETTS	02114-2023	657-5995
A	3. Waste disposal Site (WDS): Name, Maili.	ng Address, and physical location		Onsite Disposal
7	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R	4. Responsible Agency (Local, Dist		ere notification was sent)	STREET
	Agency: EPA NEW ENGLA,	ND	Address 1 CONGRESS	SIKEEI
	City:	State	Zip "7 a 7	7
		MASSACHUS ETTS	02114-2023	3
	5. Description of Materials CONSTRUCTION AND DE	EMALITIMAL DERRIS	6. Containers NO: TYPE:	7. Total Quantity (Cubic Yards or Tons)
		r	1	10
	CONCRETE PLB BULK	PRODUCT Waste		103
				t-in-
	8. Special Handling Instructions & Addition	al Information:		
	Special Hallding Histractions & Addition	ai miomation.		
	C Conceptor Authorized Arent Contification	and haveley dealess that the conta		l described by
THE PROPERTY OF THE PROPERTY O	<ol> <li>Generator - Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>			
		y to acceptable international and		
er in the second	Printed/typed name & title		jovernmentar regulations.	
4	Frintedityped name a title		Signature	Monthi Day   Year
The state of the s	Pictions of MEARS	Richard	$\wedge$	Monthi Day I Year 8 0 1 2 0 1 7
	RICHMO A. MEARS	Richard	Signature	8/01/2012
T	RICHMO A. METYS  10.A Name of Transporter-1 (Verifies	s Receipt of above described materials)	$\wedge$	Monthi Day   Year
R	RICHMO A. MENS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO	s Receipt of above described materials)	Printed or Typed Name & Title	8/01/2012
R A	RICHMO A. MENS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO	s Receipt of above described materials)	Printed or Typed Name & Title	8/01/2012
R A N	RICHAD A. METAS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO  Address 173 PICKERING ST.	s Receipt of above described materials)	Printed or Typed Name & Title	8/01/2012
R A	RICHMO A. MENS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO	s Receipt of above described materials)	Printed or Typed Name & Title	8/01/2012
R A N S	RICHAD A. METAS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO  Address 173 PICKERING ST.	Phone 860 - Fax 860 342 - 104	Printed or Typed Name & Title  Signature	8/01/2012
R A N S P	RICHMA A. MOYUS  10.A Name of Transporter-1 (Verifies  RED TECHNOLO  Address 173 PICKERING ST.  PORTLAND, CT 06480	Phone 860 - Fax 860 342 - 104	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	8 01 2012 Date:
R A N S P O	RICHMA A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address	Phone 860 - Fax 860 342 - 104	Printed or Typed Name & Title  Signature	8 01 2012 Date:
R A N S P O R	RICHMA A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address	Phone 860 - Fax 860 342 - 1042  s Receipt of above described materials)	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoendle	8 01 2012 Date:
R A N S P O R T	RICHAD A. METALS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking	Phone 860 - Fax 860 342 - 1042  s Receipt of above described materials)	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	8 01 2012 Date:
R A N S P O R T E R	RICHAND A. METUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 173 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking Address  Address  774 Reynolds Road  Linden F.	Phone 860 - Fax 860 342 - 1022 342 - 104.	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoendle  Signature	B 01 2012 Date:  Date:
R A N S P O R T E R	RICHMA A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address	Phone 860 - Fax 860 342 - 1022 342 - 104.  Receipt of above described materials)  Phone 860 - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  d materials ADDED or REMOVED during transit	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoen le  Signature	B 01 2012 Date:  Date:
R A N S P O R T E R	RICHAND A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 173 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address  274 Reynolds Road  Linden Reynolds Road  Linden Reynolds Road  Linden Reynolds Road  Linden Reynolds Road  TRANSPORTERS: ANY REJECTED OR NON-Listed	Phone 860 - Fax 860 342 - 1022 342 - 104.  Receipt of above described materials)  Phone 860 - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  d materials ADDED or REMOVED during transit	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoen le  Signature	B 01 2012 Date:  Date:
R A N S P O R T E R 11.ALL If NO SKIP	RICHAM A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 173 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address  Transporters: ANY REJECTED OR MON-Listed  If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:	Phone Stoo - Fax 860 342 1022 347 - 104.  Receipt of above described materials)  Phone Stoo - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2) Destination Facility for Rejected Materials.	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoen le  Signature	Date: 8-1-12
R A N S P O R T E R 11.ALL If NO SKIP	RICHMA A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO)  Address 173 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address  Transporters: ANY REJECTED OR NON-Listed  If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:	Phone Stoo - Fax 860 342 1022 347 - 104.  Receipt of above described materials)  Phone Stoo - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2) Destination Facility for Rejected Materials.	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoends  Richi	Date: 8-1-12
R A N S P O R T E R 11.ALL If NO SKIP  13. Wast	RICHAD A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gla Trucking)  Address  TRANSPORTERS: ANY REJECTED OR NON-Listed If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:  Disposal Site Owner or Auth. Agent:  Certification of Receipt of Asbestos Materials except item 12	Phone Stoo - Fax 860 342 1022 347 - 104.  Receipt of above described materials)  Phone Stoo - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2) Destination Facility for Rejected Materials.	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoends  Richi	Date: 8-1-12
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	RICHAM A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 173 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking)  Address  Transporters: ANY REJECTED OR MON-Listed  If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:	Phone Stoo - Fax 860 342 1022 347 - 104.  Receipt of above described materials)  Phone Stoo - Fax 860 342 - 104.  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2) Destination Facility for Rejected Materials.	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoends  Richi	Date: 8-1-12
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	RICHAD A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gla Trucking)  Address  TRANSPORTERS: ANY REJECTED OR NON-Listed If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:  Disposal Site Owner or Auth. Agent:  Certification of Receipt of Asbestos Materials except item 12	Phone 860 - Fax 860 342 - 1042 342 - 1042  Receipt of above described materials)  Phone 860 - Fax 860 342 - 1042  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2) Destination Facility for Rejected Materials and the second	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoends  Richi	Date: 8-1-12
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	RICHAND A. MTYUS  10.A Name of Transporter-1 (Verifies RED TECHNOLO  Address 17.3 PICKERING ST.  PORTLAND, CT 06480  10.B Name of Transporter-2 (Verifies We'gle Trucking  Address  Transporters: ANY REJECTED OR NON-Lister  If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B:  Certification of Receipt of Asbestos Materials except item 12  TICKET # 262626	Phone Ston - Fax 860 342 - 1042 342 - 1042  Receipt of above described materials)  Phone Ston - Fax 860 342 - 1042  Receipt of above described materials)  Phone Fax  I materials ADDED or REMOVED during transit Trans-2 Destination Facility for Rejected Materials and the stone of	Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Richie Shoends  Richi	Date: 8-1-12

MINERVA ENTERPRISES, IN	N. CHO.		Ticket &	262663	
9000 Minerya Rd. P.O. Box 709	Box 709		Date	08/03/2012	
Waynesburg, OH 44898		Customer Name	Time:	9:65:12 A.M	
Ph; 330-868-3435 Fax; 330-868-3488		RTL Enterprises			
Customer #:	769	Gross Weight:	123920	and the desired for the formation of the state of the sta	
Transporterr	Grøøn Outlook	Tare Weight:	35160		
Truck Type:	Trailer dump	Net Weight(tons):	44.38		
Truck License 株	109	Volume Recieved(yards):	20	80	
Location:	MA, Amherst	Waste Type:	Non Friab	Non Friable Asbostos	

Driver.
I cartify that all materials meet Stark
County/ohio EPA specifications.

This conflies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

Minorva Enterprises Representative:

If No, this material was rejected for the following reasons.

Yes

Accopted:

st,ma"nfacm/pcb

Minerya Job #

Davis Hall

Generator

KBY

ME REP/P.O.#

			#	1
WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	D 10077	
4 54011	TY MARKE A MILLS ILANI	1	B 12677	
Address	ITY NAME DAVIS HALL	OWNER'S NAME AMH		Owner's Phone: 4/2
Address	MEKRILL SCIENCE DE	Address	RST COLLEGE	542-8189
10 1	GENERAL STREET	6 EAS	T DRIVE	
City	State Zip		State Zip	Owner's Fax:
AMA	TERST MA 01002	City AMHERST	MATERIAL (1.11)	
G	TERST MA 01002 2.CONTRACTOR OF OPERATOR'S NAM	ME NOM DEMDLITTO.	N 4 REMEDIATION, L	Poperator's Phone: 978
E	Address		, , , ,	657-5445
N	14 VEWEL DE			OPERATOR'S Fax: 978
E	City	State AA O	21p 01887	657-5995
R	WILMINGTION	MA	0100 7	6515113
A	3. Waste disposal Site (WDS): Name, Mail			Onsite Disposal
Т	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE  4. Responsible Agency (Local, Dis	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R			Address A A A A A A A A A A A A A A A A A A	SS STREET
	Agency: EPA NEW	ENG CANOL	I CONGRE	35 3/1/20/
	Site in	State	7in	
	City:	MA	02114-2023	
	Baston	194		7. Total Quantity
Description of the contract of	5. Description of Materials  CONSTRUCTION + DEA	MILMAN ADDOS	6. Containers NO: TYPE:	(Cubic Yards or Tons)
a constant				Coal
	CONCRETE PLB.	BULK PRODUCT	BUMP TRACER	80 CY
			arcicles	ALL PROPERTY OF THE PROPERTY O
The state of the s				
STORES OF THE PERSON OF THE PE	8. Special Handling Instructions & Additio	nal Information:		
**************************************				
MODERATE	9. Generator - Authorized Agent Certificat	ion: I hereby declare that the cont	ents of this consignment are fully ar	nd accurately described by
negotion and the second	proper shipping name and are classified	, packed, marked, and labeled, ar ay to acceptable international and	nd are in all respects in proper cond	ition for transportation by
or parameters of the second	Plintedityped name & title	ay to acceptable litter national and	Signature	Monthi Day i Year
enderovellen.	A J		N M	25/1-1
in the second	TICHARD H. MEAN	S Michael	( Gen)	00/02/201
	10.A Name of Transporter-1 (Verifi	es Receipt of above described materials)	Printed or Typed Name & Title	Date:
T	RED TECHN	OLOGIES		
R	Address	Bhons Pild Fox F	10	
A	Address	Phone \$60 Fax 86		
N S	173-PICKERING ST.	342-1022 \ 342-104	2 Simpatura	
3 P	PORTLAND CT 064	180	Signature	
0	10-8 Name of Transporter-2 (Verifi		Printed or Typed Name & Title	Date:
R	areen Oralo	ok (c. zerle)	Chais Mui	8/2/12
7	Address	Phone Fax	Sugar	7-11-
E	Short To	Thore - Tan		
R	14200 Ois	501545	Signature 9	)
				(ladion)
If NO	TRANSPORTERS: ANY REJECTED OR NON-List  If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.E			seauOII.)
SKIP			-	
	te Disposal Site Owner or Auth. Agent:	12 1	Naste Facility Discrepancy Indica	tion Space
	Certification of Receipt of Asbestos Materials except item			-
DF				
S C	TICKET # 262683			
PI	IICAEI # OUGCO			
O L S I	Certification of Receipt of asbestos materials covered by t		Simulatura	Monthi Day i Year
AT	Printedityped nam	e - WDS Facility	Signature 4	Olo II
LY	9 M Kobeck		of The set	813/12

MINERYA ENTERPRISES, IN			Ticket #	202082
9000 Minerya Rd. P.O. Box 709	Box 709		Date:	08/03/2012
Waynesburg, OH 44656		Customer Name	Time:	8:63:13 AM
Fit: 330-666-3488		RTL Enterprises		
Customer #.	TO SO	Gross Weight.	123460	
Transporterr	Weigle Trucking	Tare Weight:	30440	
Truck Type:	Trailer dump	Not Weight(tons).	46.51	
Truck License	900	Volume Recieved(yards):	7.0	
Location:	MA, Amherst	Waste Type:	Non Friable Asbestos	Asbestos
Gonerator:	Davis Hall	Minerva Job #	iton,n]*nf-acm/pcb	
ME REP/P.O.#	srd			
Accepted.	Yes If No	If No, this material was rejected for the following reasons.	1985011S.	Marie de la company de la cidade de la company de la compa

Leantly that all materials meet Stark County/ghlo EPA specifications.

This certifies that the waste specified on this ficket has been properly disposed of in accordance with all local, state and federal regulations. Minerva Enterprises Representative:

D river:

						# 0
WAS7	E SHIPMENT RECORD	DOCUMENT NUI		100	1.6	
1. FAČII	LITYNAME DAVIS HALL			3 1267	8	
Address	n	OWNER'S NAME	ANIS	PEST 1	BULLE	Owner's Phone: 413
15	MERRILL SCIENCE A	Address		DRIV		542-8189
City	State Zip	•	o chy	Shir		Owner's Fax:
011	West Line	City		State	Zíp	
HM!	45725T MA 01002	AMHERS	57	MA	01002	
G	2.CONTRACTOR or OPERATOR'S NAM	ENCM DE	4DLITIBI	N+ REM	EDIATION.	Operator's Phone: 978
E	Address 14 JEWEL DR.			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LP	657-5445
N	City JEWEL DK.	State		Zip	_,.	OPERATOR'S Fax: 978
E	WILMINGTON	MA		0188	>7.	657-5995
R A	3. Waste disposal Site (WDS): Name, Mailin		vaigal lagation	0100	7	
T	Minerva Enterprises, LLC	P.O. Box 709	ysical location	Phone: 330-866	-3435	Onsite Disposal  Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio	44688-0709	Fax:330-866-34		
R	4. Responsible Agency (Local, Dist.				n was sent)	
	Agency: EPA NEW E	NGLAN.	$\supset$	Address 1	CONGRES	55 STREET
	City:	State		Zip		
	BOSTON	MA		0211	4-2023	The state of the s
	5. Description of Materials  Construction + Demo	Vitin 1	PPis	6. Containers		7. Total Quantity
	Constitue wh + Derio	CITION E	DE DEIS	NO:	TYPE:	(Cubic Yards or Tons)
	CONCRETE PLB B	ULK PR	ODUCT		dump	Joyels
	SE LES CONTRACTOR DE CONTRACTO					1
	2 6 111 111 111 111 111 111 111					
	8. Special Handling Instructions & Additional	al Information:				en e
	<ol> <li>Generator - Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>					
		racked, marked, to acceptable int				on for transportation by
	Printedityped name & title			Signature	$\Omega_{a}$	Monthi Day   Year
	Kil. O Min.	10		1 1/		8/2/2
	MICHAND 7 MEH	9	110	chad U	Jeans	0/2/20
7	10.A Name of Transporter-1 (Verifies		ed materials)	Printed or Type	ed Name & Title	Date:
R	120/1002	06/03		Jer	1/mitch	~//~2
A	Address DICKTRIAIC -1	Phone 86	Fax 860			- 12
N	113 FILLERING OF. 3	342-1022-	342-104	2 1	1 1	8.2.12
S	Address PICKERING ST. 3 PORTLAND, CT 06480			Signature	/ pluto	8.2.12
0	10.B Name of Transporter-2 (Verifies	Receipt of above describ	ed materials)	Printed or Tun	ed Name & Title	Date:
R				1	ou name a ride	Date.
T	Address	Phone	Fax			
E		. 110110	IGA			
R				Signature		
11.AII	TRANSPORTERS: ANY REJECTED OR NON-Listed	materials 40050 CC	IOVED during to	(EVCEDT Carantin	Satarial Wei-bt-ti	akina \
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B: T					auon.)
SKIP						
ACT	te Disposal Site Owner or Auth. Agent:	-	12. Wa	ste Facility Di	screpancy Indication	on Space
DF	Certification of Receipt of Asbestos Materials except item 12	notes.				
I A		na n				
S C P I	TICKET # 2020XZ	nere sense en				
0 L	Certification of Receipt of asbestos materials covered by this	manifest except as noted	in Item 12.			
SI	Printedityped name		M	Signature		Monthi Day   Year
LY	IVI nonon;	NAO		1 11 11 h	, ×	1217

MINERVA ENTERPRISES, IN				Ticket #	262681
9000 Minerva Rd. P.O. Box 709	30x 709			Date:	08/03/2012
Waynesburg, OH 44698		Customer Name		Time:	9:46:56 AM
Fax: 330-666-3468		RTL Enterprises			
	والمائية والموافقة والمرابسية والموافقة والموافقة والموافقة والموافقة والموافقة والموافقة والموافقة والموافقة	tros e e usas (europhosophiesperenno) pagoniniskipo addiningspergen incepa no sprint incepan, perse, sa et	d das a Millioner de se destrice experient de set en esta de endante aboute des qui nome destruction electroces	e liministera era de de e mante sent sent sent segui que faque preser par é la las cérculabadados de de tenden	e de mille de W. à companière a de Professor I et la la section de marilé e que literife e affigue and a
Customar #	760		Gross Weight:	124000	
Transporter.	Weigle Trucking		Tare Weight:	30480	

46.76

Net Weight(tons):

Trailer dump

Truck Type:

Voluma Recieved(yards): Waste Type: st,ma"nf-acm/pcb

Minery a Job #

Non Friable Asbastos 20

> Davis Hall Generator:

MA, Amherst

Location:

122

Truck License #

pre ME REP/P.O.#

音響力

Accounted:

If No, this material was rejected for the following reasons.

Driver

I certify that all materials most Stark County/ohio EPA specifications.

Minowa Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

WASTE SHIPMENT RECORD DOCUMENT NUMBER B 12679 1. FACILITY NAME DAILS HALL AMHERST COLLEGE OWNER'S NAME Owner's Phone: 4/3 15 MERRILL SCIENCEDA Address 6 BAST DRIVE 2.CONTRACTOR OF OPERATOR'S NAME NCM DEMDLITION & REMEDIATION, Operator's Phone: 978 AMHERST MA 20657-5445 OPERATOR'S Fax: 978 State 01887 MA WILMINGTON Waste disposal Site (WDS): Name, Mailing Address, and physical location Onsite Disposal Minerva Enterprises, LLC P.O. Box 709 Phone: 330-866-3435 Yes or List: 8955 Minerva Road SE Waynesburg, Ohio 44688-0709 Fax:330-866-3488 4. Responsible Agency (Local, District, State, or EPA Office where notification was sent) Address / CONGRESS STREET Agency: EDA NEW ENGLAND BUSTON MASSACHUSETTS

5. Description of Materials

CONSTRUCTION + DEMOLITION DEBRIS

NO 7. Total Quantity (Cubic Yards or Tons) CONCRETE PLB BULK PRODUCT Special Handling Instructions & Additional Information: 9. Generator - Authorized Agent Certification: I hereby declare that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transportation by highway to acceptable international and governmental regulations. Printedityped name & title 10.A Name of Transporter-1 (Verifies Receipt of above described materials)

RED TECHNOLOGIES Scott Cothern Phone 860 Fax 860 173 PICKERING 54. 342-1022 342-1042 PORTLAND OF 06480 10.B Name of Transporter-2 (Verifies Receipt of above described materials Printed or Typed Name & Title Address Phone Fax Signature 11.ALL TRANSPORTERS: ANY REJECTED OR NON-Listed materials ADDED or REMOVED during transit? (EXCEPT Correcting Material Weight at loading location.) If NO If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B: Trans-2) Destination Facility for Rejected Materials: Driver Name

Address

E

M

F

R A

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R

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A

N S

P 0

R T

E R

SKIP

DF I A

SC O L SI

AT LY

13. Waste Disposal Site Owner or Auth. Agent:

Certification of Receipt of Asbestos Materials except item 12 notes.

TICKET # 20268 Printed/typed\_name - WDS Facility

12. Waste Facility Discrepancy Indication Space

Ticket At 262680  Date: 08/03/2012  Vame Time: 9:46:53 AM		Gross Weight: 147720	Tare Weight: 30660	Not Weight (tons): 58.53	Volume Recieved(yards): 70	Waste Type: Non Friable Asbestos	Minerva Job # st,ma*nf-acm/pcb	
iox 709 Customer Name	KTL Enterprises	789	Weigle Trucking	Trailer dump	60	MA, Amherst	Davis Hall	25.2
MINERVA ENTERPRISES, IN 9000 Minerva Rd. P.O. Box 709 Waynesburg, OH 44688 Ph. 330,868,3435	Fax: 330-868-3488	Customer #	Transporter:	Truck Type:	Truck License ₩	Location:	Generator:	ME DED/D O #

Driver

I certify that all materials meet Stark County/ohio EPA specifications.

If No, this material was rejected for the following reasons.

7 65

Accepted:

Minerva Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

			1. 160 T
WASTE SHIPMENT RECORD	DOCUMENT NUMBER		/ /
1. FACILITY NAME DAVIS HALL		B 12680	
Address 15 MERRILL SCIENCEL City State Zip	Address	TROT COLLEGE 45T DRIVE	Owner's Phone: 4/13 542-8189 Owner's Fax:
AMHERST MA 01002	City  AMHERST	State Zip MA 01002	
G 2.CONTRACTOR OF OPERATOR'S N  Address N  City R  WILMINGTON	State  MASSACHUSETTS	LITION + REHEDIATION LA Zip 01887	
A 3. Waste disposal Site (WDS): Name, M Minerva Enterprises, LLC  8955 Minerva Road SE  4. Responsible Agency (Local, E  Agency: EPA NEW	P.O. Box 709 Waynesburg, Ohio 44688-0709 District, State, or EPA Office	Phone: 330-866-3435 Fax:330-866-3488	Onsite Disposal Yes or List:
City:  BOSTON  5. Description of Materials  CONSTRUCTION + DE  CONCRETE PLB		2ip  021/4-2023  6. Containers  NO: TYPE:	7. Total Quantity (Cubic Yards or Tons)
9. Generator - Authorized Agent Certific proper shipping name and are classifi high	cation: I hereby declare that the co	and are in all respects in proper condi	
T RED TECHNO A Address N 173 PICKERING ST. S PORTUAND, CT O	Phone \$60 Fax \$63,42-1022 342-10	Printed or Typed Name & Title  CBUPAS  Signature	, Date: 8,-2, 12
O 10.B Name of Transporter-2 (Ve R T Address E		Printed or Typed Name & Title	Date:
R  11.ALL TRANSPORTERS: ANY REJECTED OR NON-L	_isted_materials_ <i>ADDED_or_REMOVED_</i> durinq_tr	Signature  ansit? (EXCEPT Correcting Material Weight at loading l	ocation.)
If Yes (LIST & Identify Transporter -10.A : Trans-1 or 1  SKIP			
13. Waste Disposal Site Owner or Auth. Agent:  D F I A S C P I TICKET # 26265		Waste Facility Discrepancy Indicat	ion Space
Certification of Receipt of asbestos materials covered by Printed/typed no.	y this manifest except as noted in Item 12.  ame - WDS Facility	signature Solvito	Monthi Day i Year

MINERVA ENTERPRISES, IN	Clears, 16d		Ticket 🍇	262690
9000 Minerya Rd. P.O. Box 709	Box 709		Date:	08/03/2012
Waynesburg, OH 44668		Customer Name	Time:	10.47.05 AM
Ph; 330-868-3435 Fax; 330-868-3488		PTL Enterprises		
Customar #	188	Gross Weight:	123880	the state of the s
Transporterr	Weigle Trucking	Tare Weight:	34300	
Truck Type:	Trailer dump	Net Weight(tons):	44.78	
Truck License #	~	Volume Recieved(yards):	On	
Location:	MA, Amharst	Waste Type.	Non Friable Asbestos	Asbastos
Generator	Davis Hall	Minerva Job #	st,ma"nf-acm/pcb	
ME REP/P.O.#	) srd	,		
Accourage	YAS	MNo, this material was rejected for the following reasons.	rogsons.	

J-100000

This cortifies that the waste specified on this ticket has been proporly disposed of in accordance with all local, state and federal regulations.

I certify that all materials meet Stark County/ohio EPA specifications.

Driver.

Minewa Enterprisos Representative:

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	D 40004		NO
1. FACIL	ITY NAME DAVIS HALL		B 12681		
Address		OWNER'S NAME	MHERST DR	Owner's Phone	/
, - ,		Address	O EAST DR		139
City	State Zip	City	State	Owner's Fax:	
AME	FERST MA 01002	AMHER ST	MA	01002	et occasion de la constantina
G E	2.CONTRACTOR or OPERATOR'S NAM	E NOM DEMO	LITTON + PEME	DIATION, LOperator's Pho	ne: 975
N	14 JEWEL DR.			657-3	445
E	City '	State 1ASSACHUS	Zip 0/83	OPERATOR'S Fa	
R	3. Waste disposal Site (WDS): Name, Maili				
7	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-34	35 <u>Yes</u> or List:	
0	8955 Minerva Road SE	Waynesburg, Ohio 44688			
R	4. Responsible Agency (Local, Dist	•			- Contraction
	EFA NEW E	VECAND	1 Ce	MERESS STR	EET
	City:	State	Zip		APPENDING TO THE PERSON OF THE
	BOSTON MA	SSACHUSE	775 02/14	-2023	
	5. Description of Materials  CONSTRUCTION + DET	UNCITIAN DE	6. Containers	7. Total Quantity TYPE: (Cubic Yards or Total)	1
and acceptance of	CONCRETE PEB BUL				
	Controlle 163 par	a repu			
		which is a property of the second of the sec			
	3. Special Handling Instructions & Addition	al Information:			TO THE PERSON NAMED IN COLUMN TO THE
101 1000 1010	9. Generator - Authorized Agent Certification proper shipping name and are classified,	-	•		- 1
ng-danier trans		to acceptable internation	nel and governmental regula		Consideration
	Printedityped name & title		Signature	Monthi Day   Year	/
	NCHARNI- MEARS		1Chard & la	12 08/02	120h
T	RED TECHNOL		als) Printed or Typed	Name & Title / Day	e:
R		/			
A	Address 173 PICKERING ST.	Phone Feb Fa	02 - 10112		
s			Signature		
P	PORTLAND, CT 06486				
O R	Weigle Trucking	Receipt of above described materi	Printed or Typed	Name & Title Date On D	e:
7	Address Address	Phone Fa		oregan Cg-	2-12
E	Address TKKey Nollo's RJ			11	
R	Lingen Pa 17744 S	70 3265438	Signature /	e S D	
11.AL	. TRANSPORTERS: ANY REJECTED OR NON-Lister If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B:			erial Weight at loading location.)	
If <u>NO</u> SKIP	II Tes (Lis) & identity transporter Flo.A . Trans-1 or 10.B.	rans-2 / Destination Facility for he	ected materials: Driver ryanie		
	te Disposal Site Owner or Auth. Agent:		12. Waste Facility Disci	repancy Indication Space	
DF	Certification of Receipt of Asbestos Materials except item 12	notes.			
I A S C	TICKET # 262690				
PI	/ 0	l			
SI	Certification of Receipt of asbestos materials covered by this  Printedityned name		2. Signature	Month! Day   Y	ear
AT			/\ \/ \		10

MINERVA ENTERPRISES. IN		Ticket &	282778
COOM Minawa Dd DO Boy 700		1.0	011707
<b>S</b>		Date:	08/06/2012
waynesburg, OH 44665	Customer Name	Time.	
Ph: 330-838-3435			10.4.0. AM
Fax: 330-666-3466			*

125500	29900	8.74	08	Non Friable Asbestos	st,ma"nf-acm/pcb
Gross Weight:	Tare Weight:	Net Weight(tons):	Volume Recieved(yards).	Waste Type:	Minerva Job #
769	Weigle Trucking / T	Trailer dump	20	MA, Amherst	Davis Hall
Customer #	Transporter	Truck Type:	Truck License #	Location:	Generator:

ME REPAP.O.# srd

YBS

Accepted:

If No, this material was rejected for the following reasons.

Driver.

County(that a) materials mant Stark

Minerya Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

						#9
WASTI	E SHIPMENT RECORD	DOCUMENT NUM				
	TY NAME DAVIS HALL		E	3 12682	)	
Address	TORILL SHENCE DR, State Zip	OWNER'S NAME Address	AMH2 EAST	PRST CO. DRIVE	LEGE	Owner's Phone: 4/3 542 - 8/89 Owner's Fax:
	ERST MA 01007	City AMH	ERST	State MA	01007	
G	2.CONTRACTOR OF OPERATOR'S NAM. Address 14 JEWEL DR.	IE NCM DE	MOLITA	N+REME	DIATION, LA	Operator's Phone: 975
E N	Address 14 JEWEL DR,					451-5445
E	City	State		Zip		OPERATOR'S Fax: 975
R	WILMINGTON M	ASSACHI	ISETTS	01887		657-5795
A	3. Waste disposal Site (WDS): Name, Maili	ng Address, and ph	ysical location			Onsite Disposal
Τ	Minerva Enterprises, LLC	P.O. Box 709		Phone: 330-866-34	35	Yes or List:
0	8955 Minerva Road SE  4. Responsible Agency (Local, Dist	Waynesburg, Ohio		Fax:330-866-3488		
R	Agency: EPA NEW E					
	2,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			- 0	INGRES!	s speet
	City:	State		Zip		
	BOSTON M	48SACH	USETTS	02/1	4-202	3
ED-PORTE TO THE PORTE TO THE PO						7. Total Quantity
	CONSTRUCTION + DE			NO:	TYPE:	(Cubic Yards or Tons)
	CONCRETE PCB BULL	K PROD	uct	N-100 000 000 000 000 000 000 000 000 000		
		And the second s				
urabanosta denomina de la constanta de la cons	8. Special Handling Instructions & Addition	al Information:				
	9. Generator - Authorized Agent Certification	on: I hereby declar	e that the conte	nts of this consign	ment are fully and	accurately described by
	proper shipping name and are classified,					on for transportation by
THE CHIEF	nignwa	y to acceptable int	ernational and g	signature	ations.	Month Day   Year .
	RICHARD A. MEAR	25	(XICA	hard R	lears	8/3/2012
7	RED TECHNOL		ed materials)	Printed or Typed	Name & Title	/ Ďate:
R		•	1.			
A	Address 173 PICKERINGST, 3	Phone 860	Fax Y	9		
N		42-1077	342-10	42		
S	PORTLAND, CT. 06480			Signature		
P 0	10.B Name of Transporter-2 (Verifie	s Receipt of above describ	ned materials)	Printed or Typed	Nama & Titla	Date:
R	1. 10° de Trank	- 110001pt 01 02010 000011	materiale)	Trinted of Typed	and a	Date.
T	Address	Phone	Fax	) cell )	28177	1 8-3-12
E	Snil leunold Rel	rnone	Ida		1 ///	
R	014 1 1 OA	77414		Signature /	SE ITE	>
14 A11	TRANSPORTERS: ANY REJECTED OR NON-Lister		AOVED during the 112	LIEVOEDY OF	, J	
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B:				erial Weight at loading loc	cation.)
SKIP						
	e Disposal Site Owner or Auth. Agent:		12. Wa	ste Facility Disc	repancy Indicatio	on Space
D F	Certification of Receipt of Asbestos Materials except item 12	2 notes.				
I A		Kapitalistadis				
S C P I	TICKET # 7107775	The State of				
0 L	Certification of Receipt of asbestos materials covered by thi	is manifest except as noted	in Item 12.			

WHITE SIGNATURE Page MUST STAY ATTACHED! Until Delivery to MINERVA Facility (White, Yellow, Pink Gold)
White: Generator - Yellow: WDS - Pink: Transporter 1 - Gold: Transporter 2 - Blue: Contractor - [Green: Gen. REMAINS at Shipment]

Signature

s I

A T L Y

2 一つ川の上上一十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十		Ticket A	202776
9000 Minerva Rd. P.O. Box 709		Date:	08/08/2012
Waynesburg, OH 44688	Customer Name	Time.	10.00.07.07
Ph; 330-B86-3435	the state of the s		10.40.00 AM
Fax; 330-666-3468			

Non Friable Asbestos 10 32480 46.24 124960 Volume Recieved(yards): Waste Type. Net Weight (tons): Tare Weight: Gross Weight: MA, Amherst Weigle/TMH Trailer dump 769 N Transporterr Customer # Truck Type: Location: Truck License #

KEE ME REP/P.O.# ¥65

Accepted

Arrherst College

Generator:

If No, this material was rejected for the following reasons.

st,ma\*nf-acmypcb

Minerva Job #.

Driver

| certify that all materials meet Stark County/onto EPA specifications.

Minerva Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

Owner's Phone: 4/13	
540-8189 Owner's Fax:	
Operator's Phone: 975	
057-5445 DPERATOR'S FAX: 978 057-5995	
Onsite Disposal Yes or List:	
STREET	
Total Quantity Cubic Yards or Tons)	
ocurately described by	
for transportation by	
3/03/2012	
/ Date:	
Date: 8/3/12	
cf	

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	3 40000	
1. FACIL	ITY NAME DAVIS HALL	Track Broad	3 12683	
Address		OWNER'S NAME MAAILET	185 1011=0-	Owner's Phone: 4/15
15 M	ERPYLL SCIENCE DR.	Address & E.	13T COLLEGE 13T DRIVE	542-8189
City	State Zip			Owner's Fax:
AMHE	TRST MA 01002	City AMHERST	State Zip MA 01007	
G	2.CONTRACTOR or OPERATOR'S NAM	ENCM DEMOLITION	+ REMEDIATION, LP	Operator's Phone: 975
E	14 TEWEL DR,		, ,	657-5445
N E	City	State	Zip	OPERATOR'S Fax: 975
R	WILMINGTON, MA	SSACHUSETTS	01887	657-5995
A	3. Waste disposal Site (WDS): Name, Mailin		0/30/	Onsite Disposal
T	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R	4. Responsible Agency (Local, Dista	rict, State, or EPA Office whe	Address 1 CONERES	S STREET
	City:	State	Zip	
	BOSTON M	ASSACHUSETTS	02114-2023	
	5. Description of Materials	4:	6. Containers	7. Total Quantity
	CONSTRUCTION + DETAIL		NO: TYPE:	(Cubic Yards or Tons)
	CONCRETE PCB BULK	PRODUCT		15
	8. Special Handling Instructions & Additiona	Il Information:		
	9. Generator - Authorized Agent Certificatio proper shipping name and are classified, p	n: I hereby declare that the content	its of this consignment are fully and	accurately described by
	highway	to acceptable international and go	are in all respects in proper conditions.	on for transportation by
	Printadityped name & title		Signature	Monthi <sub>j</sub> Day   Year
	Richard A. Menra	Lidan	(Jahan)	8/03/2010
7	10.A Name of Transporter-1 (Verifies	Receipt of above described materials)	Printed or Typed Name & Title	Date:
R	RED TECHNOLO	ETES	/ / / / / / / / / / / / / / / / / / /	Bato.
A	Address	Phone 860/ Fax 860	,	
N	173 PICKERINGST. 39	12-10-2 342-104		
S	PORTLAND, CT 06480	, - , - , -	Signature	
0	10.B Name of Transporter-2 (Verifies	Receipt of above described metaviole	Drinted on Translation of Translation	
R	Weigh Tkg.		Printed or Typed Name & Title	Date:
T	Address	Phone Fax	Mathew Sanse,	8/3/12
E	724 Reynolds Rd.	THORE		
R	Cinden PA		Signature Maule	30
11.ALL	TRANSPORTERS: ANY REJECTED OR NON-Listed	materials ADDED or REMOVED during transit?	(EVCERT Correcting Metarical Weight at Landian	~7
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B: Tr	rans-2 ) Destination Facility for Rejected Materia	lex CEFF correcting material weight at loading locities.  Is: Driver Name	ation.)
SKIP				is a second of the second of t
13. Waste	Disposal Site Owner or Auth. Agent:	12. Was	ste Facility Discrepancy Indicatio	n Space
D F	Certification of Receipt of Asbestos Materials except item 12 n	otes.		
I A S C	70777 4 0 1			
PI	TICKET # 262776			
O L S I	Certification of Receipt of asbestos materials covered by this r			
ATLY	Printed/typed name -	wuo raciity	Signature	Monthi Day   Year

	TO THE PROPERTY OF THE PROPERT	· · · · · · · · · · · · · · · · · · ·
MINERVA ENTERPRIBES, IN	Ticket w	The state of the s
9000 Minerva Rd. P.O. Box 709	Cate	
Marahira OH AARRE	Carolamone Manage	7107/00/00
COOL IN BROWNING		THE OF LESS .
Ph; 330-666-3435		AT 00:30:
Fax: 330-866-3488		

760 Customer #

Weigle Trucking

Transporterr.

Trailer dump

Truck Type:

Gross Weight:

142560

32580

Tare Weight:

54.99

20

Volume Recieved(yards):

Net Weight(tons):

Non Friable Asbestos

Winerva Job #

Waste Type:

st,ma"nf-acm/pcb

KBI ME REP/P.O.#

Amherst College

Generator.

MA, Amhorst

Location:

Truck License #

Yes Accepted

If No, this material was rejected for the following reasons.

Minerva Enterprises Representative:

This contifies that the waste specified on this licket has been properly disposed of in accordance with all local, state and federal regulations.

I config that all materials meet Stark County/ohio EPA specifications.

Driver

	4			T+ 11
WASTE	SHIPMENT RECORD	DOCUMENT NUMBER	D 10061	
1. FACILIT	Y NAME DAWS HALL		B 12684	
Addrace		OWNER'S NAME ALANA		Owner's Phone: 4/3
15 MZ	PRRILL SCIENCE DR.	Address Aller	HERST COLLEGE	542-2129
		6 8	EAST DRIVE	, ,
City	State Zip	City	State Zip	Owner's Fax:
	2ST MA 01007	AMHERST	MA 01002	
G 2	CONTRACTOR or OPERATOR'S NAM	E NEM DEMOLIT	ON + REMEDIATION 1	Operator's Phone: 978
E A	INTEWEL DR.			657-5445
Ci	ity	State	Zip	OPERATOR'S Fax: 975
E		ASSALUSTITS	01887	657-5995
/ h				Onsite Disposal
A 7	<ol> <li>Waste disposal Site (WDS): Name, Maili.</li> <li>Minerva Enterprises, LLC</li> </ol>	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709		150
- 1	4. Responsible Agency (Local, Dist			
	Agency: EPA NEW E		Address 1 CONCRE	TO STITE
			+ UN AC	33 3/100/
	City:	State	Zip	
	BOSTON MA	SSACHUSETTS	03114-2023	3
	5 Description of Materials		6. Containers	7. Total Quantity
	CONSTRUCTION + DETA	OCHTION DEBRIS	S NO: TYPE:	(Cubic Yards or Tons)
	CONCRETE PCB BUL			1 70 1
	Christie For Gus	110000		1
1 8	3. Special Handling Instructions & Addition	al Information:		
				المالية والمالية والم
	<ol> <li>Generator - Authorized Agent Certification proper shipping name and are classified,</li> </ol>			
THE PERSONNEL PROPERTY OF THE PERSONNEL PROP		y to acceptable international a		and the transportation by
	Printedityped name & title		Signature M	Month-Pay I Year
	Kun amar	100	a la	1 X/3/200
	1/C/thro 1-11/GH	80	gard they	1 0/0/core
1 7 1	10.A Name of Transporter-1 (Verified RED TECH NOC		Printed or Typed Name & Title	/ Dáte:
R	RED PECATION	09763		
	Address	Phone \$60 Fax	960	
N	Address 173 PICKERING ST,	342-1022 342	-1042	
S	PORTLAND, CT. 064		Signature	
P	100101140,0.007	70	o.gataro	
0	10.B Name of Transporter-2 (Verifie	s Receipt of above described materials)	Printed or Typed Name & Title	Date:
R	Weight Touchers		Mike Couls IN	8/3/2
T		/Phone Fax		0/5/10-
E	274 Kenolds The	l		
R	tender 10		Signature	
11.411 7	TRANSPORTERS: ANY REJECTED OR NON-Liste	d materials ADDED or REMOVED during h	ransit? (EXCEPT Correcting Material Weight at leading	g location.)
	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B:			g location.
SKIP				
	Disposal Site Owner or Auth. Agent:	12	2. Waste Facility Discrepancy Indic	ation Space
	Certification of Receipt of Asbestos Materials except item 12			
D F I A	110			
s c	TICKET # 2/77#2			
PI	SUD IN			
SI	Certification of Receipt of asbestos materials covered by thi  / Printed/typed name		Signathra	Monthi Day   Year
AT			1/1/1 .	21,112
LY	97,M KOLORTS		of The with	X1/2/10

MINERVA ENTERPRISES, IN	NISES, IN			Ticket A	262769
9000 Minerva Rd. P.O. Box 709	Box 709			Date:	C10C/80/80
Waynesburg, OH 44686		Customor Name		Time:	10:06:41 AM
Fax: 330-666-3486		KTL Enterprises			
	арт (Қ. Құ. камінда дійтің тің тің тің терекіне бір рекілетті семілен семілен жең арттық талысты бесілеті.	alan yayaya isin berma maran da maran sa da maran da mar	get eg art enne den gjeldjockt in mediskrenn fragestjerneprinneprintfragestjeftfelt maak mandelyn in feit	a province and the second and the second sec	
Customar #	769		Gross Waight:	128180	9
Transporterr	Woigle/ RB Farms		Tare Weight:	29880	0.0

ME REP/P.O.#. Kar

Yes

Accepted:

If No, this material was rejected for the following reasons.

Non Friable Asbestos

Waste Type:

Volume Recieved(yards):

Net Weight(tons):

Trailer dump

Truck Type:

st,ma\*nf-acm/pcb

Minerva Job #

David Hall - Amher

Generator:

MA, Amharst

Location:

108

Truck License 典

P

48.15

Driver.

I certify that all materials meet Stark County/ohid EPA specifications.

Minerva Enterprises Representative.

This cortilies that the waste specified on this licket has been properly disposed of in accordance with all local, state and federal regulations.

11-17

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	7 40005				
1. FACILI	ITY NAME DAUIS HALL		B 12685				
Address		OWNER'S NAME AND	RST COURSE	Owner's Phone: 4/3			
15 1	MERRILL SYENCE DR		AST DRIVE	542-2189			
City	State Zip			Owner's Fax:			
AMH	ERST MA 0/002	City	State Zip				
		AMHERST	MA Olos				
G	2.CONTRACTOR or OPERATOR'S NAM	E NEM DEMOLITIE	V + REMEDIATION, LA	Operator's Phone: 975			
E	14 TEWELDR,		•	657-5445			
E	City	State	Zip	OPERATOR'S Fax: 975			
R	WILHINGTONS MA	SSACHUSETTS	01887	657-5995			
A	3. Waste disposal Site (WDS): Name, Maille	ng Address, and physical location		Onsite Disposal			
T	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	<u>Yes</u> or List:			
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488				
R	4. Responsible Agency (Local, Dist						
	2747600	TO CAPTIFE	Address 1 CONCRES	S STREET			
	City:	State	Zip				
Name of the last o	BOSTON N	MSSACHUSETTS	02114-2023				
	5 Description of Materials		6. Containers	7. Total Quantity			
	CONSTRUCTION + DEM	PLITTEN DEBRIS	NO: TYPE:	(Cubic Yards or Tons)			
Company of the Compan	CONCRETE PCB BULL	& PRADUAT		75			
Scotter Company							
100000000000000000000000000000000000000	8. Special Handling Instructions & Addition	al Information:					
*1396400000							
200000	9. Generator -Authorized Agent Certification	on: I hereby declare that the conte	ents of this consignment are fully and	d accurately described by			
	proper shipping name and are classified,	/		ion for transportation by			
	nignway	y to acceptable international and g	governmental regulations.	Monthi Day i Year			
	$\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$			6/7			
	KICHARD F. 116	MS Mich	and Whan	13/2012			
7	10.A Name of Transporter-1 (Verifies	, .	Printed or Typed Name & Title	Date:			
R	RED TECHNOL	/	Į.				
A	Address	Phone \$60   Fax \$60					
N	Address 173 PICKERING ST. 3	142-1072 342-104					
S	PORTLAND, OT 06450		Signature				
P							
0	10.B Name of Transporter-2 (Verifies	2	Printed or Typed Name & Title	Date:			
R	Weight meng	5703265438	Taul Kichard	1			
E	Address	Phone Fax		~ d 7-17			
R	Address 1 274 Regne	Whi	Signature 1	7 8-3-12			
			I FIRE				
If NO	11.ALL TRANSPORTERS: ANY REJECTED OR NON-Listed materials ADDED or REMOVED during transit? (EXCEPT Correcting Material Weight at loading location.)  If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B: Trans-2) Destination Facility for Rejected Materials: Driver Name						
SKIP		Jeney Territoria Mutto					
	e Disposal Site Owner or Auth. Agent:	12. W	aste Facility Discrepancy Indicati	ion Space			
D F	Certification of Receipt of Asbestos Materials except item 12	1	g area g				
IA							
S C P I	TICKET # 262769						
O L	Certification of Receipt of asbestos materials covered by this	manifest except as noted in Item 12.					
SI	) Printedityped name		Signature /	Monthi Day   Year			
LY	Kin Roberts		K. Kaluka	8/1/12			

9000 Minerya Rd. P.O. Box 709  VVaynesburg, OH 44668  Ph. 330-666-3435  RTL Enterprises  RTL Enterprises	MINERVA ENTERPRISES, IN	Ticket A. 202817	Ticket 🍖	202817
Customer Name Time:	9000 Minerva Rd. P.O. Box 709		Date:	C10C/70/80
RTL Enterprises	Waynesburg, OH 44668	Customer Name	Time.	20071000
	Ph; 330-666-3435			0
	Fax: 330-866-3488			

93780	32620	30.58	76	Non Friable Asbestos
Gross Weight:	Tare Weight:	Net Weight(tons):	Volume Recieved(yards):	Waste Type:
769	ransporterr: Weigle/ CTI	Trailer dump	564	MA, Amherst
Customer #: 789	Transporterr	Truck Type: Trailer dump	Fruck License #	Location:

ME REP/P.O.#. kar

¥ 100

Accepted

Amherst College

Generator:

If No, this material was rejected for the following reasons.

st,ma\*nf-acm/pcb

Minerva Job #.

Driver System Commence

County/ohio EPA specifications.

Minerya Enterprises Representative:

This conflies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

					77
WAST	E SHIPMENT RECORD	DOCUMENT NU		100=0	
4 EACH	TV MARKE A		ordina de la companya	3 12676	
Adding	TYNAME Davis HEVI				
Address/	Merrill Science Drive	OWNER'S NAME	AMHe	vst College	Owner's Phone:
		Address	20/1	1110	413-5412-818
City A	MHeust State MA Zipolocy	EC	ust Dr	102	Owner's Fax:
	1116051	City		State Zip	
		AMIte		MA 0100]	
G	2.CONTRACTOR or OPERATOR'S NAM	E All nA	DENALITIA	N+ REMEDIATION, L	D Operator's Phone: 978
E	Address 14 Jewel Drive	- NON D	EMDETTO	NT FEMERIATION, L	1.51-5445
N	10) Jewel Orio				637 0170
E	City WILMINGTON	State		Zip	OPERATOR'S Fax: 978
R	Literation	MASSALH	USETTS	01887	157-5995
A	3. Waste disposal Site (WDS): Name, Mailir	o Address, and oi	hysical location		Onsite Disposal
7	Minerva Enterprises, LLC	P.O. Box 709	y stour rocation	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohi	0.44688-0700	Fax:330-866-3488	<u>765</u> 01 List.
R	4. Responsible Agency (Local, Dist.			4791 47	
-	Agency: FDA NEW ENG		777700 77770	Address 1 Control	S STREET
	EDA NEW BIO	PHIVE		I CONGRE	~ -
	City:	Chaha			
		State	-	Zip	
		LASSAL HL	1SETIS	02114-20	23
	5. Description of Materials	101:7101	Ornois	6. Containers	7. Total Quantity
	CONSTRUCTION+DEN	10011010	DEBKIS	NO: TYPE:	(Cubic Yards or Tons)
	CONCLETE PLB BUL	& PENDI	CT	10.	75-35
	Thousand Tay Mas	- 11000		(Care	10-33
	8. Special Handling Instructions & Additiona	Information:			
	,				
		The street of th			
	9. Generator - Authorized Agent Certificatio	n: I hereby declar	re that the conter	nts of this consignment are fully a	and accurately described by
	proper shipping name and are classified, phichway	oacked, marked,	and labeled, and	l are in all respects in proper cond overnmental reg <del>ul</del> ations.	dition for transportation by
	Printedityped name & title	to acceptable iii	ternational and g	Signature	Monthi Dayi! Year
	1) 1 1 11 -				i i
	Alchann II. 110A	25	Tich	and a lean	16/2017
	10.A Name of Transporter-1 (Verifies	Receipt of above descril	bed materials)	Printed or Typed Name & Title	Date:
T	RED TELHNO		,	Timed of Typed hame & Title	) Date.
R			/ 013		
A	Address	Phone 860	/ Fax & Coc		
N	173 PICKERING ST. 3	42-1022	342-10	42	
S	PORTLAND CT. 0648D			Signature	
P	TOPI DINO				
0	10.B Name of Transporter-2 (Verifies			Printed or Typed Name & Title	Date:
R	WEIGLE TOU (CADDITION )	economa	tons \	Printed or Typed Name & Title	NS 861
7	Address	Phone	Fax		
E	I VAREN IT 1-	270-3210	5478	- 0 11	
R		10000	012	Signature \	2
44 43 2	TD 14/0 D 0 DT ED 0	The state of the s	- A-F	esselle!	RUGO
IT.ALL If NO	TRANSPORTERS: ANY REJECTED OR NON-Listed  If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B: T	materials <u>ADDED or RE</u>	MOVED during transit?	(EXCEPT Correcting Material Weight at loading	g location.)
		rans-2 / Destination Faci	mity for nejected wateria	als: Driver Manie	
SKIP					
13. Wast	Ortification of Passint of Ashertes Naturals assert it as		12. Wa	ste Facility Discrepancy Indica	tion Space
DF	Certification of Receipt of Asbestos Materials except item 12	notes.			
I A	01-7017				
S C P I	TICKET # 3628//	ere			
OL	Certification of Receipt of asbestos materials covered by this	manifest except as poten	d in Item 12		
S I	Printed/typed name -			Şignaturə	Month! Day   Year
A T L Y	L. D. L.	-	4	1/1-	2/7/17
	1 10 5 11		77 (	7 / 4	

MINERVA ENTERPRI	M SEST		Ticket at	262843
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/07/2012
Waynesburg, OH 44609 Ok. 220 pez 3436		Customer Name	Time:	11:52:47 AM
Fax: 330-886-3486		RTL Enterprises		erreperior Segunda de Asparante
Customer #	788	Gross Weight:	112200	and the state of t
Transporterr.	Weigle-Trucking	Tare Weight:	34300	
Truck Type:	Trailer dump	Net Weight(tons):	38.95	
Truck License #	2	Volume Recieved(yards):	20	questa
Location:	MA, Amherst	Waste Type:	Non Friable	Non Friable Asbestos
Generator.	Amherst College	Minerva Job #	.st,rra"nf.acm/pcb	
ME REPAP.O.#	F. F			
Accepted	Yes If No.	If No. this material was rejucted for the following reasons.	говария	edate art y entreprenanting andere da also paramete

Driver:

I certify that all materials meet Stark County/ohlo EPA specifications.

Minerya Enterprists Representative:

This carlifies that the weste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

#13

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	7 40000	
1. FACILI	ITY NAME DAVIS HALL	Ī	B 12686	
Address		OWNER'S NAME AMHE	RST ANIECE	Owner's Phone: 4/3
15M.	ERRILL SLIENCE DR.	Address 6	EAST DRIVE	542-8129
City	State Zip			Owner's Fax:
AMH	ERST MA 01002	AMHERST	State Zip  MA 01002	
G	2.CONTRACTOR or OPERATOR'S NAM Address	E MAN DEM	107 0/000	Operator's Phone: 978
E	Address	- REFIGEINGLITTE	AS FREMEDIATION, C	0657-5445
N	14 TEWELDR,	State	Zip	OPERATOR'S Fax: 974
E R	,	SACHUSETTS	01887	657-5995
A	3. Waste disposal Site (WDS): Name, Mailin			Onsite Disposal
T	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R	4. Responsible Agency (Local, Dist			
	Agency: ZP/Z NEW E.	145-14110	Address 1 DNGES	SS STREET
	City:	State	Zip	
	BOSTON M	1888ACHUSETTS	03/14-2023	Name of the state
Topological First	5. Description of Materials		6. Containers	7. Total Quantity
	CONSTRUCTION + DE			(Cubic Yards or Tons)
manuscriptors and a second sec	CONCRETE PCB BU	IK PRODUCT	Mines Fieller	94
			Carrier 1 salite	
	8. Special Handling Instructions & Addition	al Information:		
TO DESCRIPTION OF THE PERSON O	<ol> <li>Generator - Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>			1
The state of the s		to acceptable international and c		, , , , , , , , , , , , , , , , , , , ,
and the same of th	Printedityped name & title		Signature	Monthi Day i Year
	KichAnn I-1. MG	Mrs / Li	charle tears	8/6/2012
7	) 10.A Name of Transporter-1 (Verifies		Printed or Typed Name & Title	Date:
R	RED TECHNOLOS	5/52		
A	Address	Phone PGU Fax PG	0	
N	Address 173 PICKERING ST.	342-1022 342-1	1042	
S	PORTLAND, CT 06 480		Signature	
0	10.B Name of Transporter-2 (Verifies		Printed or Typed Name & Title	Date:
R	Weigle Trucking	60	Dunne Granit	e
T	Address	Phone Fax		
E	274 Reynolds RD Linnen Pa 17744		21	O.A.
R	Linnen Pa 17744		Signature Nac 1	X
11.ALL	TRANSPORTERS: ANY REJECTED OR NON-Listed			ocation.)
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B:	Frans-2 ) Destination Facility for Rejected Mater	rials: Driver Name	
SKIP	e Disposal Site Owner or Auth. Agent:	1 42 14/	acta English Diagraman Indiant	C
	Certification of Receipt of Asbestos Materials except item 12	1	aste Facility Discrepancy Indicati	on Space
D F	0 - 2012			
S C	TICKET # 2.62843			
OL	Certification of Receipt of asbestos materials covered by this	manifest except as noted in Item 12.		
SI	Printedityped name		Signature	Month! Day   Year
LY	Kim Koberts		K. Alxot	8/7/6

MINERVA ENTERPRISES, IN		Ticket 44	262850
9000 Mineiva Rd. P.O. Box 709		Date:	08/07/2012
Waynesburg, OH 44608	Customer Name	Time.	2005.00.0
Ph; 330-886-3436	The step was given assume to the state of th		4,04,40 [14]
Fax: 330-866-3468			

7

Customer # Autumn Transport

Transportant

Trailor dump

Truck Type:

Gross Woight:

95600

Tare Weight:

Not Woight (tons):

Volume Recieved(yards):

Weste Type:

Non Friable Asbestos

Minowa Job #

retinua"ni-acrivpob

-5 ME REP/P.O.#

Arrhorst College

Gamaratur.

MA, Amharst

Location

N

Truck Liconse #

X05 Accopted:

If No, this material was rejected for the following reasons.

Diwer

County that all materials meet Stark County/ohio EPA specifications.

Minerva Enterprises Representative:

This cortifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

WASTE	SHIPMENT RECORD	DOCUMENT NUI		100	0.7	
1. FACILI	TY NAME DAVIS HALL		juni Rose	3 126	8 /	
Adaress		OWNER'S NAME	AM145	RST	201125	Owner's Phone: 4/3
15 M	ERRILL SCIENCE DR	Address	62	A50 2	RIVE	542-2169
City	State Zip	C. th.				Owner's Fax:
1	ERST MA 01003	ANIHE	RST	State MH	0/002	
G	2.CONTRACTOR or OPERATOR'S NAM	E HCM DE	MOLITION	N + REA	LEDIATION IN	Operator's Phone: 97
-	Addiess					657-5445
N E	14 JEWEL DR.	State		Zip		OPERATOR'S Fax: 975
R	WILMANGTON HA	SSACHUE	SEAS	0/88	7	657-5995
A	3. Waste disposal Site (WDS): Name, Maili	ng Address, and ph	ysical location			Onsite Disposal
τ	Minerva Enterprises, LLC	P.O. Box 709		Phone: 330-8	66-3435	Yes or List:
0	8955 Minerva Road-SE	Waynesburg, Ohio		Fax:330-866-3		
R	4. Responsible Agency (Local, Dist.  Agency: FPA NEW E		PA Office Whe			
	77 77200 -			1	CONGRESS	STREET
	City:	State		Zip		
200000000000000000000000000000000000000	BOSTON	MESHAH	USETTS	021	14-2023	7
	5. Description of Materials			6. Containers		7. Total Quantity
	CONSTRUCTION + DAM	LITTON 2	EBRIS	NO:	TYPE:	(Cubic Yards or Tons)
TO THE PERSON NAMED IN COLUMN	CONCRETE PCB BUL	K PROD	uctwas	Dunk	2 trafer	50
	8. Special Handling Instructions & Addition.	al Information:				
rian resulta	or Special Halldling Histractions & Additions	ai iiiioiiiiatioii.				
electronic and the second	9. Generator - Authorized Agent Certification	n: I hereby declar	e that the conter	nts of this con	signment are fully and	d accurately described by
verior would be a	proper shipping name and are classified,	packed, marked,	and labeled, and	are in all resp	pects in proper condit	
ALVER CALCULATION OF THE PROPERTY OF THE PROPE	highway	y to acceptable int	erplational and g	overnmental i	regulations.	Monthi Day,i Year
	KUHARD A. MER	13	X10	6a 16	Means	8/6/2012
7	10.A Name of Transporter-1 (Verifies	Receipt of above describ	ped materials)	Printed or Ty	ped Name & Title	/ Date:
R	RED TECHNOLOG	12-	1		I	
A	Address 173 PICKERING ST.	Phone 260	Fax 240	)		
N	173 PICKERING ST.	342-1023	34/2-104	43		
S	TO THE PROPERTY OF THE PROPERT			Signature		
0	10.B Name of Transporter-2 (Verifies	Receipt of above descrit	ped materials)	Printed or To	vnechName & Title	Date:
R	ALTOMN TRANSPO	NT 1,51	- 294-37	74 Res	yped Name & Title	1-6-12
7	Address	Phone	Fav			8-6-10
E		1.51-73	38-6998		0.1	
R	am hungason	92, 7	, , , , ,	Signature	In his	
3	TRANSPORTERS: ANY REJECTED OR NON-Listed					ocation.)
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B:	Frans-2 ) Destination Faci	lity for Rejected Materi	als: Driver Nai	ne	
SKIP	e Disposal Site Owner or Auth. Agent:		12 14/2	sto Espility	Discrepancy Indicat	ion Sacco
D F	Certification of Receipt of Asbestos Materials except item 12	notes.	124 770	ste racility	Discrepancy indicat	on space
IA	2:	,				
S C P I	TICKET # 2 6285	6				
O L	Certification of Receipt of asbestos materials covered by this	7	d in Item 12.			
SI	Printedityped name		1	Signature		Monthi Day   Year
LY	1 Jun 12 mal	relati	< 1	K WII	Ani ·	8-7-10
-	TO IVI V V	TTT!	>	11/1/11	1011	0 / / / .

Ticket 🍂 202850	Date: 08/07/2012	Time Tookoot		in had dawa bi a 1944 yi kili rabay kali shi shi ana mi yapirban, kabib a kili huan wiyol kili shi yi kili yi kili yaqooya qaya qayba ka marabiin na m	1 30860	35160	47.85	70	Non Frieble Asbestos
		Customer Name	RTL Enterprises	dad basar ( b. hiji ke, y. h. hiji ke, anabis, and dan mahaya basar kan da basar kan sa kan da basar kan da b	Gross Weight.	Tare Weight:	Net Weight(tons):	Volume Recieved(yards):	Waste Type:
ISES, IN	Box 709				780	Weigle Trucking /	Trailer dump	108	MA, Amherst
MINERVA ENTERPRISES, IN	9000 Minerva Rd. P.O. Box 709	Waynesburg, OH 44698	Ph; 330-066-3435 Fax: 330-066-3468		Customar #	Transporterr	Truck Type:	Truck License #	Location:

If No, this material was rejected for the following reasons.

'st,ma"nf-acmybcb

Minery a Job #

Davis Hall

Generator

125

ME REP/P.O.#

Y PER

Aprone

certify that all materials meet Stark County/ohio EPA specifications.

Drivok

This confiles that the weste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

Minerva Enterprises Representativo:

++1/

WAST	E'SHIPMENT RECORD	DOCUMENT NUMBER	10000	
1. FACIL	ITY NAME DAVIS HALL	İ	3 12688	
Address		OWNER'S NAME ANTHE	est confee	Owner's Phone: 4/13
13 /	IERRIU SCIENCE DR	Address Hillion	AST DRIVE	542-8189
City	State Zip	City	State 7in	Owner's Fax:
AMI	TERS MA 01002	0:40-0-	MA 0/002	
G	2.CONTRACTOR or OPERATOR'S NAM Address 14 TENEL DR.	E NAM XOMMIN	Tala Para	Operator's Phone: 978
E	Address 14 JEWELDR.	" GON BENWEIN	IN FREMEDIATION, I	1657-5445
E	City	State	Zip	OPERATOR'S Fax: 978
R		SSAEHUSETIS	0/887	657-5995
A	<ol> <li>Waste disposal Site (WDS): Name, Mailin</li> <li>Minerva Enterprises, LLC</li> </ol>	ng Address, and physical location P.O. Box 709	Dhara 220 000 2425	Onsite Disposal
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Phone: 330-866-3435 Fax:330-866-3488	<u>Yes</u> or List:
R	4. Responsible Agency (Local, Dist.	rict, State, or EPA Office whe	ere notification was sent)	
	Agency: EPA NEW EN	GLAND	Address 1 CANERES	SSTREET
Tare part of the same of the s	City:	State	Zip	
	BUSTON HA	SSACHUSETTS	02114-201	3
	5. Description of Materials		6. Containers	7. Total Quantity
	CONSTRUCTION + DEM		NO: TYPE:	(Cubic Yards or Tons)
	CONCRETE PCB BUIL	PRODUCT	Dum P	
				State of the state
and the state of t	8. Special Handling Instructions & Additiona	al Information:		1
	<ol> <li>Generator -Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>	n: I hereby declare that the conter	nts of this consignment are fully and	d accurately described by
	highway	to acceptable international and g	overnmental regulations.	ion for transportation by
	Printedityped name & title		Signature	Monthi Day i Year
	NUHARD H. MEARS	Tid	iand a lears	0/6/2012
T	10.A Name of Transporter-1 (Verifies RED TECHNOL	Receipt of above described materials	Printed or Type Name & Title	/ Date:
R			/	
A	Address 173 PICKERING ST.	Phone \$60 Fak \$60 242-1012 243-101	12	
S	PORTLAND, CT 06480		Signature	
P				
OR	10.B Name of Transporter-2 (Verifies	Receipt of above described materials)	Printed or Typed Name & Title	Date:
T	Address Spartains	Phone Fax	Ding.	0/6/12
E	Sterion		10,10	
R			Signature	
11.ALL If NO	TRANSPORTERS: ANY REJECTED OR NON-Listed If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B: T	materials <u>ADDED or REMOVED</u> during transit?	(EXCEPT Correcting Material Weight at loading to	ocation.)
SKIP	E 1 SE JEEL & ROMANY MANAGEMENT 10.3. Hand 1 OF 10.5.	rains-27 beatmation racinty for rejected wateric	als. Differ Name	
13. Wast	Disposal Site Owner or Auth. Agent:	12. Wa	ste Facility Discrepancy Indicati	on Space
DF	Certification of Receipt of Asbestos Materials except item 12	notes.		
I A S C	TICKET # 242850			
PI	I I I I I I I I I I I I I I I I I I I	1		
OL		manifect avent as noted in the 12		
O L S I	Certification of Receipt of asbestos materials covered by this  Printed/typed_name -		Signature	Montal Day laYear
O L	Certification of Receipt of asbestos materials covered by this		Signature	Montal Day   Year

Ticket # 262867  Date: 08/08/2012  Time: 7:22:30 AM	Gross Weight: 107440 Tare Weight: 30440	Net Weight(tons): 38.5 Volume Recieved(yards): 65	Waste Type: Non Frieble Asbestos Minerva Job # .st,ma*n*acm/pcb	If No, this material was rejected for the following reasons.	Minery a Enterprises Representative: This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local state and federal regulations.
SES, IN Customer Name RTL Enterprises	769 Waigia/Waisal	Trailer dump	MA, Amherst Amherst College -	ker Yes If No, this material was rajec	The state of the s
MINERVA ENTERPRI 9000 Minerva Rd. P.O. Be Waynesburg, OH 44696 Ph: 330-868-3435 Fax: 330-866-3488	Customer # Transporterr.	Truck Type:		ME REP/P.O.#. Accepted:	D river.    Centify that all materials meet Stark

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	10001	
1. FACIL	TY NAME DAVIS HALL	В	12691	SERVICE
	ERRILL SCIENCE DRIVE	OWNER'S NAME AMHERS	T	Owner's Phone: 413- 542-8189
City	State Zip			Owner's Fax:
AMHE	, ,, ,	City	State Zip	
G	2.CONTRACTOR or OPERATOR'S NAM	ENCM DEMOLITION 4	REMEDIATION, LP.	Operator's Phone: 978
E	Address 14 SEWEL DRIVE			657-5445
E	City	State Zi	•	OPERATOR'S Fax: 978
R	WILMINGTON	MASSACHLISETTS	61887	
A	3. <u>Waste disposal Site (WDS): Name, Maili</u> Minerva Enterprises, LLC		none: 330-866-3435	Onsite Disposal Yes or List:
0	8955 Minerva Road SE		ax:330-866-3488	
R	4. Responsible Agency (Local, Dist	rict, State, or EPA Office where  Ac	notification was sent)  idress 4 CONGRESS	STREET
	City: BOSTON	State Zij MASSACHLISETTS	02114-2023	
	5. Description of Materials		Containers TYPE:	7. Total Quantity (Cubic Yards or Tons)
Company of the Compan	CONSTRUCTION + DEMI		<i>(</i> )	15
	CONCRETE PLB BULK	PRODUCT	Jung	00
	Aud Ahosts		,	
TOTAL STATES	8. Special Handling Instructions & Addition	al Information:		
	<ol> <li>Generator - Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>			
		y to acceptable international and gov		on for transportation by
CONTROL OF THE CONTRO	Frintedly yped name & title  KICHAM A. M.	AN Tichan	el a Melin	Monthi Day   Year
T	10.A Name of Transporter-1 Verified RED TECHNOL		rinted or Typed Name & Title	Date:
R			1	
A	Address 173 PICKERING ST.	Phone 860 Fax 860		
N S		1 -	·i.e.m.adv.va	
P	PORTLAND CT. 06480		ignature	
0	10.B Name of Transporter-2 (Verifie	Receipt of above described materials)	Printed or Typed Name & Title	Date:
R T	WEIGLE/WEISEL	TOON I	LARRY KEEFE	8-7-12
E	274 ACYNOLOS LD	Phone Fax	1 1	
R	PINDEN PA	S	Signature The Management of the Company of the Comp	1 4
11.ALL	TRANSPORTERS: ANY REJECTED OR NON-Lister	materials <u>ADDED or REMOVED</u> during transit? (E)	CEPT Correcting Material Weight at loading lo	cation.)
If NO	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.B:			
SKIP	District the second			
	e Disposal Site Owner or Auth. Agent:    Certification of Receipt of Asbestos Materials except item 12	1	e Facility Discrepancy Indicati	on Space
DF				
S C P I	TICKET #262867			
OL	Certification of Receipt of asbestos materials covered by thi	manifest except as noted in Item 12.		
S I A T	Printedityped name	- WDS Facility S	Signature	Monthi Day I Year
LY	7 im Toberts	5	Holet	8/8/12

MINERVA ENTERPRIBEB, IN		Ticket we	202805
9000 Minerva Rd. P.O. Box 709		Date:	08/08/2012
Waynesburg, OH 44688	Customer Name	Time:	MA DS:ED:P
Ph: 330-886-3435	TT Entarniese		
Fax: 330-886-3468	在于大学大学用的人们也是不可以的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		

132660	31860		2
Gross Weight:	Tare Weight.	Not Weight(tons).	Volume Recieved(yards):
769	WattB&K	Truck Type: Trailer dump	
Customer# 700	Transporterr	Tuck Type:	TuckLicense*

Non Friable Asbestos

Waste Type:

retime\*nt-ecrybab

Wineva Job A.

ME REPIP.O.#. KII

Yes

Accepted:

Arrihorst College

Continuor

MA, Amherst

Location:

If No, this material was rejected for the following reasons.

Driver.

Leartify that all materials meet Stark County/ohio EPA specifications.

Minerva Enterprises Representative:

This certifies that the weste specified on this lickethas been/properly disposed of in accordance with all local, state and federal regulations.

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER	D 10000	
1. FACIL	ITY NAME DAVIS HALL		B 12692	
RADDIESS		OWNER'S NAME A	MHERST COLLEGE	Owner's Phone: 413 542 - 8189
115 ME	ERRILL SCIENCE DRIVE	A d d d d d d d d d d d d d d d d d d d	6 EAST DRIVE	342-8189
City	State Zip ERST MA 0100Z	City	State Zip	Owner's Fax:
HIVITE	ERST MA 01002	AMHERST	State Zip MA 0100	2
G	2.CONTRACTOR or OPERATOR'S NAM			
E	Address 14 JEWEL DRIVE	- 110/102/100	27.000 7 1007.000	657-5445
N	City	State	Zip 01887	OPERATOR'S Fax: 978
E R	WILMINGTON	MASSACHUSET	_	657-5995
A	3. Waste disposal Site (WDS): Name, Maili			Onsite Disposal
7	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
O R	8955 Minerva Road SE  4. Responsible Agency (Local, Dist	Waynesburg, Ohio 44688		
R	Agency: EPA NEW ENGLA		Address 1 CONGRES	S STREET
A Common A C	21,,,,,,		1 DONG POO	
	City:	State	Zip	
	BOSTON 1	NASSACHUSETI		23
-	5. Description of Materials CONSTRUCTION + DEM	OLITION DE	RRIS NO: TYPE:	7. Total Quantity (Cubic Yards or Tons)
CONTRACTOR				70
Property and the second	CONCRETE PLB BULK	PRODUCT U	Justevan	70
Designation	And Abostos			
CONTROL CONTRO	8. Special Handling Instructions & Addition	al Information:		
200 A	<ol> <li>Generator -Authorized Agent Certification</li> <li>proper shipping name and are classified,</li> </ol>			
			nal and governmental regulations.	condition for transportation by
00 00 00 00 00 00 00 00 00 00 00 00 00	Printedityped name & title		Signature	Monthi Day   Year
	KICHADO A. MER	My \	Licha da Carteria	0/7/2012
7	10.A Name of Transporter-1 (Verifies		Printed or Typed Name & Tit	tle Date:
R	RED TECHNOL		'	
A	Address 173 PICKERING St.	Phone & Fa	x 860	
N	173 MCKERING St.	342-1022 342	1-1042	
S	PORTLAND CT. 06480		Signature	
0	10.B Name of Transporter-2 (Verifies	Receipt of above described materi	als) Printed or Typed Name & Ti	tle Date:
R	Weigle Truck	l ng	Robert Be	ean 8-7-12
<i>T</i>	Address 274 Rexidents Z	Phone Fa		, , , , ,
E		1	Signature S	A5
	Linden Pa		Rose	y poor
If NO	TRANSPORTERS: ANY REJECTED OR NON-Listed  If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B: T			oading location.)
SKIP				
13. Wast	e Disposal Site Owner or Auth. Agent:	7	12. Waste Facility Discrepancy In	dication Space
DF	Certification of Receipt of Asbestos Materials except item 12			
I A S C	TICKET # 262895			
PI	HUNE! #			
4		and the second s		
S I	Certification of Receipt of asbestos materials covered by this  **PrintedItyped name**		2. Signa@re	Monthi Day   Year
S I A T L Y				Month! Day   Year

202904 08/2012 6:12 AM					
08/08/2012 8:55:12 AM	Đ			80	Non Friable Asbestos
Date:	132240	35100	48.57		Non Friat
Customer Name RTL Enterprises	Gross Weight:	Tare Weight:	Net Weight(tons):	Volume Recieved(yards):	Waste Type:
	769	Wegle/Greenoutloo	Trailer dump	116	MA. Amherst
9000 Minerya Rd. P.O. Box 709 Waynasburg, OH 44666 Ph: 330-866-3435 Fax: 330-666-3466	Customer #	Transporter:	Truck Type.	Truck License #	Location:

Minorva Enterprises Representative.

If No, this material was rejected for the following reasons.

¥085

Accepted:

KO

ME REPAP.O.#

st,ma\*nf-acm/pcb

Minerva Job #

Amherst College-

Generator:

This cortifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

| certify that all materials meet Stark County/onlo EPA specifications.

Driver

WAST	E SHIPMENT RECORD	DOCUMENT NUMB			
1. FACIL	ITY NAME DAVIS HALL	age of the second	B 1269	3	
Address		OWNER'S NAME	Androst and	<i>-1-</i>	Owner's Phone: 413
15 MI	ERRILL SCIENCE DLIVE	Address	AMHERST COIL	666 15	Owner's Phone: 413 542 - 8189
City	State Zip		6 EAST DEIV	E	Owner's Fax:
AMHE	ERST MA 0100Z	City	State	Zip	
	2.CONTRACTOR or OPERATOR'S NAM	AMHERST	MA	01002	
G	2.CONTRACTOR or OPERATOR'S NAM	E NCM DEMO	OLITION + REME	DIATION, LP.	Operator's Phone: 978
E	145EWEL DRIVE				657-5445
E	City	State	Zip		OPERATOR'S Fax: 978
R	WILMINGTON M	MASSALHUSET.	13 0188	7	657-5445
A	3. Waste disposal Site (WDS): Name, Maili	ng Address, and physi			Onsite Disposal
7	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866	-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44			
R	4. Responsible Agency (Local, Dist			ONGRESS	STLEET
SHIPPING	City:	State	Zip		
				14-2023	
	I - Daniel - Charles II	MASSALHUSE		17 2020	7. Total Quantity
	CONSTRUCTION + DEMON	LITION DE	BRUS NO:	TYPE:	(Cubic Yards or Tons)
THE PARTY OF THE P	CONCRETE PLB BULK	PRODUCT	-5		80
	The state of the s				
COMPANY	8. Special Handling Instructions & Addition	al Information:			
elektristering begrande	9. Generator -Authorized Agent Certification proper shipping name and are classified.				
en enconer de de la contraction de la contractio	proper shipping name and are classified,	packed, marked, and		cts in proper conditi	
	proper shipping name and are classified,	packed, marked, and	Labeled, and are in all respe	cts in proper conditi	
distance and a particular particular superior superio	proper shipping name and are classified, highwa	packed, marked, and	d labeled, and are in all respensational and governmental re	cts in proper conditi	on for transportation by
	proper shipping name and are classified, highway  Printedityped name & title  ICHALD A. MEAN  10.A Name of Transporter-1 (Verifies	packed, marked, and y to acceptable interr	Habeled, and are in all respendentional and governmental resignature	cts in proper conditi	on for transportation by
T	proper shipping name and are classified, highway  Printedlityped name & title  ICHALD A. MEAN  10.A Name of Transporter-1 (Verifies  RED TECH NOW	packed, marked, and y to acceptable interrest acceptable in terrest acceptable in terres	Labeled, and are in all respendentional and governmental resignature  signature  Printed or/Type	cts in proper conditigulations.	on for transportation by
R	proper shipping name and are classified, highway  Printedlityped name & title  ICHALD A. MEAN  10.A Name of Transporter-1 (Verifies  RED TECH NOW	packed, marked, and y to acceptable interrest acceptable in terrest acceptable in terres	Labeled, and are in all respendentional and governmental resignature  signature  Printed or/Type	cts in proper conditigulations.	on for transportation by
	proper shipping name and are classified, highway  Printedlityped name & title  ICHALD A. MEAN  10.A Name of Transporter-1 (Verifies  RED TECH NOW	packed, marked, and y to acceptable interrest acceptable in terrest acceptable in terres	Labeled, and are in all respendentional and governmental resignature  signature  Printed or/Type	cts in proper conditigulations.	on for transportation by
R A	proper shipping name and are classified, highway highway and a stitle	packed, marked, and y to acceptable interrest acceptable in terrest acceptable in terres	Labeled, and are in all respendentional and governmental resignature  signature  Printed or/Type	cts in proper conditigulations.	on for transportation by
R A N	proper shipping name and are classified, highway  Printedityped name & title  Printedityped name & title  10.4 Name of Transporter-1 (Verifies RED TECH NOUS)  Address 173 PICKERING ST.  PORTLAND CT. 06480	packed, marked, and y to acceptable interrest of above described Phone 860	Habeled, and are in all respendentional and governmental resignature  Signature  Printed or Typ  Fax 860  342-1042  Signature	cts in proper conditigulations.	Month/ Pay / Year  8/1/2012  Date:
R A N S P	proper shipping name and are classified, highway highway and a stitle for the first of the first	packed, marked, and y to acceptable interrest of above described.  Phone 860 3412 - 10 Z Z	Habeled, and are in all respendentional and governmental resignature  Signature  Printed or Typ  Fax 860  342-1042  Signature	cts in proper conditigulations.	Month/ Pay / Year  8/1/2012  Date:
R A N S P O R	proper shipping name and are classified, highway  Printedityped name & title  Printedityped name & title  10.4 Name of Transporter-1 (Verifies RED TECH NOUS)  Address 173 PICKERING ST.  PORTLAND CT. 06480	packed, marked, and to acceptable interrest of above described  Phone 860  3412 - 10 Z Z  Receipt of above described	Labeled, and are in all respendentional and governmental resignature  Signature  Printed or Typ  Signature  Materials)  Printed or Typ  Printed or Typ	cts in proper conditigulations.	on for transportation by
R A N S P	proper shipping name and are classified, highway highway and a stitle ALCHARD A. MEAN 10.4 Name of Transporter-1 (Verifies RED TECH NOUR Address 173 PICKERING ST. PORTLAND CT. 06480  10.8 Name of Transporter-2 (Verifies Green gold and Lagrange 150)	packed, marked, and to acceptable interrest of above described  Phone 860  3412 - 10 Z Z  Receipt of above described	Labeled, and are in all respendentional and governmental resignature  Signature  Printed or Typ  Signature  Materials)  Printed or Typ  Printed or Typ	cts in proper conditigulations.	Month/ Pay / Year  8/1/2012  Date:
R A N S P O R T	proper shipping name and are classified, highway highway and a classified, highway a cla	packed, marked, and y to acceptable interrest of above described.  Phone 860 3412 - 10 Z Z	Labeled, and are in all respendentional and governmental resignature  Signature  Printed or Typ  Signature  Materials)  Printed or Typ  Printed or Typ	cts in proper conditigulations.	Month/ Pay / Year  8/1/2012  Date:
R A N S P O R T E R	proper shipping name and are classified, highway highway and a stitle for the first of the first	packed, marked, and to acceptable interrest to acceptable interrest to acceptable interrest to acceptable interrest to accept of above described 3412 - 1022	Habeled, and are in all respenditional and governmental resignature  Signature  Printed or Type  Signature  Materials)  Printed or Type  Fax  Signature  Signature	ed Name & Title	Monthi Pay   Year  8/1/2012  Date:  Date:
R A N S P O R T E R	proper shipping name and are classified, highway highway and a classified, highway a cla	packed, marked, and to acceptable interrest to accept of above described and accept of above described and accept of above described and acceptable acceptable and acceptable acceptable and acceptable acceptable and acceptable acceptable and acceptable and acceptable acceptable and acceptable acceptable acceptable acceptable and acceptable accepta	Labeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax  Signature  Materials)	ed Name & Title	Monthi Pay   Year  8/1/2012  Date:  Date:
R A N S P O R T E R	proper shipping name and are classified, highway highway and an experimental properties of the filter of the filte	packed, marked, and to acceptable interrest to accept of above described and accept of above described and accept of above described and acceptable acceptable and acceptable acceptable and acceptable acceptable and acceptable acceptable and acceptable and acceptable acceptable and acceptable acceptable acceptable acceptable and acceptable accepta	Labeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax  Signature  Materials)	ed Name & Title	Monthi Pay   Year  8/1/2012  Date:  Date:
R A N S P O R T E R 11.ALL If NO SKIP	proper shipping name and are classified, highway highway and an are classified, highway and are classified, highway and are classified, highway and are classified, highway are considered and are classified, highway are classified, highway are considered and are a strictly considered and are classified, highway are classified, highway are considered and are classified, highway are cla	packed, marked, and y to acceptable interrest to acceptable interrest to acceptable interrest to acceptable interrest to accept of above described.  Phone 860  Phone 860  Phone 97326  Amaterials ADDED or REMOV. Trans-2) Destination Facility.	Labeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax  Signature  Materials)	ed Name & Title	Monthi Pay   Year    1   2   2     Date:   - 7 - 12     cation.)
R A N S P O R T E R 11.ALL If NO SKIP	proper shipping name and are classified, highway highway and a classified, highway a cla	packed, marked, and y to acceptable interrest to acceptable interrest to acceptable interrest to acceptable interrest to accept of above described.  Phone 860  Phone 860  Phone 97326  Amaterials ADDED or REMOV. Trans-2) Destination Facility.	Habeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax 860  Signature  Driver Name	ed Name & Title	Monthi Pay   Year    1   2   2     Date:   - 7 - 12     cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highway highway and are classified, highway and a strict of the strict of	packed, marked, and y to acceptable interrest to acceptable interrest to acceptable interrest to acceptable interrest to accept of above described.  Phone 860  Phone 860  Phone 97326  Amaterials ADDED or REMOV. Trans-2) Destination Facility.	Habeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax 860  Signature  Driver Name	ed Name & Title	Monthi Pay   Year    1   2   2     Date:   - 7 - 12     cation.)
R A N S P O R T E R 11.ALL If NO SKIP  13. Wast	proper shipping name and are classified, highway highway and an are classified, highway and are classified, highway and are classified, highway and are classified, highway are considered and are classified, highway are classified, highway are considered and are a strictly considered and are classified, highway are classified, highway are considered and are classified, highway are cla	packed, marked, and y to acceptable interrest to acceptable interrest to acceptable interrest to acceptable interrest to accept of above described.  Phone 860  Phone 860  Phone 97326  Amaterials ADDED or REMOV. Trans-2) Destination Facility.	Habeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax 860  Signature  Driver Name	ed Name & Title	Monthi Pay   Year    1   2   2     Date:   - 7 - 12     cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highway highway and are classified, highway and a strict of the strict of	packed, marked, and y to acceptable interrest to accept of above described and accept of above described and acceptable and acceptable and acceptable acceptable and acceptable acc	Habeled, and are in all respenditional and governmental resignature  Signature  Printed or Typ  Fax 860 342-1042  Signature  Materials)  Printed or Typ  Fax  Signature  Driver Name  12. Waste Facility Driver	ed Name & Title	Monthi Pay   Year    1

MINERVA ENTERPRISES, IN		Ticket &	262923
8000 Minerva Rd. P.O. Box 709		Date:	08/08/2012
Waynesburg, OH 44698	Customer Name	Times.	1 4 60.00.4
Ph; 330-866-3435	The second secon	6	11.00.UZ AIM
Fax: 330-866-3488	A Property of the Control of the Con		

126840	29880	48.48	76	Non Friable Asbestus	st,ma*nf-acm/pcb
Gross Weight:	Tare Weight:	Net Weight(tons):	Volume Recieved(yards):	Waste Type:	Minerva Job #:
769	Weigle Trucking /	Trailer dump	106	MA, Amhesrt	Davis Hall
Customer #.	Transporterr.	Truck Type:	Truck License #	Location	Generator

ME REP/P.O.# 9rd

でも

Accepted:

If No, this material was rejected for the following reasons.

Diver

County/ohlo EPA specifications.

Minowa Enterprises Representative:

This confiles that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

710

WAST	SHIPMENT RECORD	DOCUMENT NUMBER	D 10004	
1. FACIL	TYNAME DAVIS HALL		B 12694	
Addrace	ERRILL SCIENCE DRIVE	OWNER'S NAME AMHER	ST COLLEGE	Owner's Phone: 413 542 - 8189
15 ME	EXILL SCIENCE DAILE	Address 6 E	AST DRIVE	542-8189
City	State Zip	City	State Zip	Owner's Fax:
AMH	ERST MA 0100Z	n il -n-	1 21.27	
G	2.CONTRACTOR or OPERATOR'S NAM	E NCM DEMOLITION	V + REMEDIATION LP	Operator's Phone: 978
E	Address 14 SEWEL DRIVE		,	657-5445
N E	City	State	Zip	OPERATOR'S Fax: 978
R	WILMINGTON	MASSACHUSETTS	01887	657-5995
A	3. Waste disposal Site (WDS): Name, Maili			Onsite Disposal
T	Minerva Enterprises, LLC 8955 Minerva Road SE	P.O. Box 709	Phone: 330-866-3435	Yes or List:
R	4. Responsible Agency (Local, Dist	Waynesburg, Ohio 44688-0709 trict, State, or EPA Office wh		
	Agency: EPA NEW ENGLI	4MO	Address 1 CONGRESS	STREET
			_	
COLORES OF THE PROPERTY OF THE	City:	State	^711/1-7072	,
and the second s	5 Description of Materials	MASSACHUSETTS	02114-2023 6. Containers	7. Total Quantity
	CONSTRUCTION + DE	MOLITION DEBRE	NO: TYPE:	(Cubic Yards or Tons)
	CONCRETE PLB BULL	L PRODUCTS		
	8. Special Handling Instructions & Addition	nal Information:		
ROZINEROSS	9 Generator - Authorized Agent Cortification	Carrier of Management and Carrier of the Carrier of		
3	3. Generator -Authorized Agent Certification	on: I hereby declare that the conte	ents of this consignment are fully and	l accurately described by
reconstructor first care	proper shipping name and are classified,	packed, marked, and labeled, an	d are in all respects in proper conditi	
TOTAL PROPERTY OF THE PROPERTY	proper shipping name and are classified,	-	d are in all respects in proper conditi	
	proper shipping name and are classified, highwa	packed, marked, and labeled, an	d are in all respects in proper conditi governmental regulations.	on for transportation by
	proper shipping name and are classified, highwa  Printedityped name & title  ICILAL A Name of Transporter-1 (Nerifie)	packed, marked, and labeled, and y to acceptable international and	d are in all respects in proper conditi governmental regulations.  Signature  Charles  Charle	on for transportation by
T	proper shipping name and are classified, highwa	packed, marked, and labeled, and y to acceptable international and	d are in all respects in proper conditi governmental regulations.	on for transportation by  Month! Day   Year  8 / 129/2
T R A	proper shipping name and are classified, highwa  Printedityped name & title  ICIAN A MENUS  10.A Name of Transporter-1 (Verified RED TECHNO)	packed, marked, and labeled, any to acceptable international and specific packets are specified to the specified materials.	d are in all respects in proper conditi governmental regulations.  Signature  Augustian Printed or Typed Name & Title	on for transportation by  Month! Day   Year  8 / 129/2
R	proper shipping name and are classified, highwa  Printedityped name & title  ICIAN A MENUS  10.A Name of Transporter-1 (Verified RED TECHNO)	packed, marked, and labeled, any to acceptable international and specific packets are specified to the specified materials.	d are in all respects in proper conditi governmental regulations.  Signature  Augustian Printed or Typed Name & Title	on for transportation by  Month! Day   Year  8 / 129/2
R A N S	proper shipping name and are classified, highway highway highway highway and are classified, highway h	packed, marked, and labeled, any to acceptable international and specific packets are specified to the specified materials.	d are in all respects in proper conditi governmental regulations.  Signature  Augustian Printed or Typed Name & Title	on for transportation by  Month! Day   Year  8 / 129/2
R A N	proper shipping name and are classified, highwa  Printedityped name & title  ICIAN A MENUS  10.A Name of Transporter-1 (Verified RED TECHNO)	packed, marked, and labeled, and y to acceptable international and secept of above described materials)  Phone 860 Fax 867 342-1022 342-104	d are in all respects in proper conditi governmental regulations.  Signature  Augustus  Printed or Typed Name & Title	on for transportation by  Month! Day   Year  8 / 129/2
R A N S	proper shipping name and are classified, highwa printed/typed name & title  PICIALD A MEMA STANDARD TECHNOLOGICAL (Verified REPLAND), CT 06480  10.8 Name of Transporter-2 (Verified Replacement)	packed, marked, and labeled, and y to acceptable international and services and acceptable international and services and services are services.  Phone & Fax & CC & Fax & CC & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022 & 342 - 1022	d are in all respects in proper conditi governmental regulations.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title	Month/ Day / Year  SA/20/2  Date:
R A N S P O R	proper shipping name and are classified, highwa  Printedityped name & title  PICIAN A MEMS  10.A Name of Transporter-1 (Verified RED TECHNO)  Address  17.3 PICKERING ST.  PORTLANO, CT OCHNO  10.B Name of Transporter-2 (Verified Weigle Transking Address)	packed, marked, and labeled, any to acceptable international and y to acceptable international and serious serious materials.  Phone 860 Fax 862 342-164  Receipt of above described materials)  Fro 3265436  Phone Fax	d are in all respects in proper conditi governmental regulations.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title	on for transportation by  Monthi Day   Year  SA / 26 / 2  Date:
R A N S P O R T	proper shipping name and are classified, highwa  Printedityped name & title  PICIAN A MEMS  10.A Name of Transporter-1 (Verified RED TECHNO)  Address  17.3 PICKERING ST.  PORTLANO, CT OCHNO  10.B Name of Transporter-2 (Verified Weigle Transking Address)	packed, marked, and labeled, any to acceptable international and y to acceptable international and serious serious materials.  Phone 860 Fax 862 342-164  Receipt of above described materials)  Fro 3265436  Phone Fax	d are in all respects in proper conditi governmental regulations.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title	Month/ Day / Year  SA/20/2  Date:
R A N S P O R T E R	proper shipping name and are classified, highwa  Printedityped name & title  NICHARD A MFMS  10.A Name of Transporter-1 (Verified RED TECHNO)  Address 17.3 PICKERING ST.  PORTLANO, CT OCHOO  10.B Name of Transporter-2 (Verified Weigle Transking Address)  Linden & 274 Reynormal Reynolds of Table & 274 Reynolds of Tabl	packed, marked, and labeled, any to acceptable international and y to acceptable international and serious serious described materials.  Phone 860 Fax 860 342-100 serious materials.  \$ 70 3265436 Phone Fax 860 Serious materials.	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title  Printed or Typed Name & Title  Signature  Signature	Date:
R A N S P O R T E R	proper shipping name and are classified, highwa  Printedityped name & title  PICIAN A MEMS  10.A Name of Transporter-1 (Verified RED TECHNO)  Address  17.3 PICKERING ST.  PORTLANO, CT OCHNO  10.B Name of Transporter-2 (Verified Weigle Transking Address)	packed, marked, and labeled, any to acceptable international and y to acce	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Paul Respects in proper conditions in proper conditions.	Date:
R A N S P O R T E R	proper shipping name and are classified, highwa  Printedityped name & title  PICIAN A MFM S  10.A Name of Transporter-1 (Verified RED TECHNO)  Address 17.3 PICYERING ST.  PORTLANO, CT OCHRO  10.B Name of Transporter-2 (Verified Weigle Transporter-2)  Address  Little Address  ANY REJECTED OR NON-Lister	packed, marked, and labeled, any to acceptable international and y to acce	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Paul Respects in proper conditions in proper conditions.	Date:
R A N S P O R T E R 11.ALL If NO SKIP	proper shipping name and are classified, highway  Printed/typed name & title  PICIAL A MPMS  10.A Name of Transporter-1 (Verifies RED TECHNO)  Address 17.3 PICIERING ST.  PORTLANO, CT OCHRO  10.B Name of Transporter-2 (Verifies Weigle Transporter-2)  Address  Line of Transporter-1 (Verifies Weigle Transporter-1)  Address  Line of Transporter-1 (Verifies Weigle Transporter-1)  TRANSPORTERS: ANY REJECTED OR NON-Listed If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:	packed, marked, and labeled, and y to acceptable international and y to acceptable international and serious acceptable international and y to	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Paul Respects in proper conditions in proper conditions.	On for transportation by  Month/ Day / Year  SA/20/2  Date:  Date:  Cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highwa highwa Printedityped name & title  PICIAL A MEMS 10.A Name of Transporter-1 (Verifies RED TECHNO)  Address 17.3 PICYERING ST.  PORTLANO, CT OCHRO  10.B Name of Transporter-2 (Verifies Weigle Transporter-2)  Address C. Legle Transporter-1 Address Library  Address ANY REJECTED OR NON-Lister If Yes (LIST & Identify Transporter-10.A: Trans-1 or 10.B:	packed, marked, and labeled, and y to acceptable international and y to acceptable international and serious acceptable international and y to	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	On for transportation by  Month/ Day / Year  SA/20/2  Date:  Date:  Cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highwa  Printedityped name & title  NCIAN A MFM S  10.A Name of Transporter-1 (Verified RED TECHNO)  Address 17.3 PICYERING ST.  PORTLANO, CT OCHO  10.B Name of Transporter-2 (Verified Register of Assessing Steep Stee	packed, marked, and labeled, and y to acceptable international and y to acceptable international and serious acceptable international and y to	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	On for transportation by  Month/ Day / Year  SA/20/2  Date:  Date:  Cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highwa  Printedityped name & title  NICIAND A MEMS  10.A Name of Transporter-1 (Verifies RED TECHNO)  Address 17.3 PICKERING ST.  PORTLANO, CT OCHRO  10.B Name of Transporter-2 (Verifies Weigle Transking Address  Limit a Transporter-10.A: Trans-1 or 10.B:  Printedity Transporter-10.A: Trans-1 or 10.B:  Disposal Site Owner or Auth. Agent:  Certification of Receipt of Asbestos Materials except item 12  TICKET # ZUZ923	packed, marked, and labeled, any to acceptable international and y to acce	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	On for transportation by  Month/ Day / Year  SA/20/2  Date:  Date:  Cation.)
R A N S P O R T E R 11.ALL If NO SKIP 13. Wast	proper shipping name and are classified, highwa  Printedityped name & title  NCIAN A MFM S  10.A Name of Transporter-1 (Verified RED TECHNO)  Address 17.3 PICYERING ST.  PORTLANO, CT OCHO  10.B Name of Transporter-2 (Verified Register of Assessing Steep Stee	packed, marked, and labeled, any to acceptable international and y to accept the acceptable international and y to acceptable international and y to accept the acceptable international and y to accept the acceptable international and y to accep	d are in all respects in proper conditions.  Signature  Printed or Typed Name & Title  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title  Signature  Printed or Typed Name & Title	On for transportation by  Month/ Day / Year  SA/20/2  Date:  Date:  Cation.)

262958 08/09/2012 7:36:57 AM	113520	33460	40.03		Non Friable Asbestos	Triple
Ticket 🍂 Date: Time:	4				°Z	cet,ma"nf-acrybush
Customer Name KT1. Enterprises	Grass Weight:	Tare Weight:	Net Weight(tens):	Volume Recieved(yards):	Waste Type:	Minerva Job #
ROX 709	769	Brown Transport	Trailer dump	2	MA, Amherst	Amherst College
MINERVA ENTERPRISES, IN 9000 Minerva Rd. P.O. Box 709 Waynesburg, OH 44688 Ph: 330-866-3488 Fax: 330-866-3488	Customer #	Transporterr	Truck Type:	Truck License #	Location:	Generator

Driver.

This certifies that the waste specified on this ticket has been proporty disposed of in accordance with all local, state and federal regulations.

Minerva Enterprises Representative:

If No, this material was rejected for the following reasons.

Y BE

Accopted:

34

ME REP/P.O.#

County/ohio EPA specifications.

WAST	E SHIPMENT RECORD	DOCUMENT NUMBE	ER		, ,
1. FACIL	ITY HAME Davis Hall	1	F	4C-00 2	
Address 15 Me	errill Science Drive nerst state MA zip 01002	owner's name  Address  City Amherst	Amh	erst College East Drive	Owner's Phone: 413-542-8189 Owner's Faxo
		7111110(30		140.0	. 01002
G E N	2.CONTRACTOR or OPERATOR'S NAM Address 14 Jewel Drive City Wilmington	NCM Demol		emediation, LP.	Operator's Phone: 978-657-5445 OPERATOR's Fax:
R					978-657-5995
A	3. Waste disposal Site (WDS): Name, Malli	ng Address, and physic	al location		Oneite Disposal
T	Minerva Enterprises, LLC	P.O. Box 709		Phone: 330-866-3435	Yes or List:
R	8955 Minerva Road SE  4. Responsible Agency (Local, Dist	Waynesburg, Ohio 446		Fax:330-866-3488	
K	Agancy: EPA New England	Inci, State, or EPA	Onice whe	Address 1 Congress S	
THE STATE OF THE S	EFA New Eligialia			i Congress 3	11661
	aty: Boston	state Massachuse	etts	Zip 02114-2023	
					н
Propagation	5. Description of Materials			6. Containers	7. Total Quantity
	Construction And Demolition Debr			NO: T	YPE: (Cubic Yards or Tons)
Participation of the control of the	Concrete PCB Bulk Product W a	Ste		Sunt	75
ACABANA AND AND AND AND AND AND AND AND AND	8. Special Handling Instructions & Addition	al Information			
HIP ACTIONS OF THE PERSON OF T		ar mormacioni			
	9. Generator - Authorized Agent Certification	n: I hereby declare the	t the conten	ts of this considerment are	a fully and accurately described by
	proper shipping name and are classified,	packed, marked, and l	labeled, and	are in all respects in prop	
ud-id-ty-yapay	highway	to acceptable interna	tional and go	overnmental regulations.	
	KICHARD A. M	EANS		Chard AM	lans 8/8/20
т	10.A Name of Transporter-1 (Verifies		terials)	Printed or Typed Name &	Title Date:
R	Red Techr	nologies	,		
А	Address	Phone	Fax		
N	173 Pickering Street	860-342-1022 / 860-	-342-1042		A
S	Portland, CT 06480			Signature	
0	10.8 Name of Transporter-2 (Verillas	Receipt of above described ma	terials)	Printed or Typed Name &	Title Date:
R		-			10WN 8.8-12
T	Brown Transp Address P. O. BOX 141	Phone	Fax	De Mass,	1000 1 2. 0 1 a
E	1	Phone 10.916, 920	6		
R	Heme, Pa. 15610	0 110 /00		Signature 0 0	1 Brown
11.ALL	TRANSPORTERS: ANY REJECTED OR NON-LISTED	materials ADDED or REMOVED	during transit? (	EXCEPT Correcting Material Weight	at loading location.)
If NO	If Yes (LIST & identify Transporter -10.A : Trans-1 or 10.8; To	rans-2 ) Destination Facility for	Rejected Materials	s: Driver Name	
SKIP	Discoul City Courses of Arts 2				
	Disposal Site Owner or Auth, Agent:  Certification of Receipt of Asbestos Materials except item 12 n	otes.	12. Was	ta Facility Discrepancy	Indication Spaca
D F I A					
s c	TICKET # 2029 X	annesses, de			The state of the s
PI	6-130		1	· ·	
S I	Cartification of Receipt of asbestos materials covered by this r  Printedityped name -			signatura /	Monthi Day i Year
ATLY	KMistinalo	473		K Killer	8-9-1.2

MINERVA ENTERPRISES, IN	M. West		Ticket &	262857
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/09/2012
Waynesburg, OH 44666		Customer Name	Tima:	7:34:20 AM
Fax: 330-866-3468		RTL Enterprises		
Customer #	769	Gross Weight:	112640	
Transporter:	Dennis Brown Truc	Tare Weight:	36200	
Truck Type:	Trailer dump	Net Weight(tons):	38.72	
Truck License #	⇔	Volume Recieved(yards):		
Location:	MA, Amherst	Waste Type.	Non Friable Asbestos	Asbestos
Generator	Davis Hall	Minerva Job #:	st,ma"nf-acm/pcb	
ME REP/P.O.#	srd			
Accepted	Yes II No. II	If No, this material was rejected for the following reasons	reasons	

I certify that all materials meet Stark County/ohio EPA specifications.

Driver.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

Minery a Emorprises Representative:

WAS	TE SIPMENT RECORD	DOCUMENT NUMBER		
DAMPE CHARLES AND THE THE I	LITY Davis Hall	The second secon	AC-00 3	
Address		OWNER'S NAME		Owner's Phone:
ŧ	Merrillicience Drive	Address An	nherst College	413-542-8189
city An	nhers state MA zip 01002	E	East Drive	Owner's Fax
Table of the state	одост — то	<sup>cty</sup> Amherst	State MA Zip 01002	
G	2.CYTRACTOR OF OPERATOR'S NAM			
E	Addre 14 Jewel Drive	NCM Demolition &	Remediation, LP.	Operator's Phone:
N		state Massachusetts	zip 01887	978-657-5445
E	G C C C C C C C C C C C C C C C C C C C	State Massacriusetts	Zip 01007	OPERATOR'S Fax: 978-657-5995
A	3. Yaste disposal Site (WDS): Name, Mallin	ic Addrass, and physical location		
T	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Onsite Disposal Yes or List:
0	955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R	4. lesponsible Agency (Local, Distr	rict, State, or EPA Office v		
	EPA New England		Address 1 Congress Street	
<b>8</b>	Boston	state Massachusetts	zīn 02114-2023	
	5. Ascription of Materials		6. Containers	7. Total Quantity
	Contruction And Demolition Debri	S	NO: TYPE:	(Cubic Yards or Tons)
	Concrete PCB Bulk Product		Vicinio	75
	Transition of the state of the			
	8. Secial Handling Instructions & Additiona	I Information:		
	amount of the second of the se			
	9. Gerator -Authorized Agent Certification	: I hereby declare that the con	tents of this considerment are fully and	ccurately described by
	proper shipping name and are classified, p	acked, marked, and labeled, a	nd are in all respects in proper condition	n for transportation by
	Photoditypod seme & title	to acceptable international and	governmental regulations.	Manthi Dry   Your
	X a no -	11.	$\alpha/\alpha$	9/-1
	10.A Name of Transporter-1 (Verifies R	433 P10	had Whas	8/8/2012
T		1.	Printed or Typed Name & Title	Date:
R	Red Techno			
A	470 0: 1	Phone Fax 860-342-1022 / 860-342-104	2	
S	Portland, CT 06480			*
P		2222	Signature	at managed
0	10.8 Name of Transporter 2 (Verilles A	eceipt of above described materials)	Printed or Typed Name & Title	Date:
R T	h delum.		Dennis Brown	10 8-8-12
Ē	Address	Phone Fax	Thucking	- Control of the Cont
R	Acme PA. L	112-480-4531	Signature	SCALARS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADDRESS PROPERTY ADDRESS PROPERTY AND ADDRESS PROPERTY ADD
11.ALL	RANSPORTERS, AND DESCRETE OF HONE		Lanus Boy	2100
I NO	TRANSPORTERS: ANY REJECTED OR NON-Listed m If Yes (LIST & identify Transporter -10.A : Trans-1 or 10.B: Tra	aterials <u>ADDED or REMOVED</u> during trans ns-2 ) Destination Facility for Rejected Mate	it? (EXCEPT Correcting Material Weight at loading locat <u>erials:</u> Driver Name	ion.)
SKIP				55006000000000000000000000000000000000
	Disposal Site Owner or Auth, Agent:	12. 14	asta Facility Discrepancy Indication	Spaca
20 2	Certification of Receipt of Asbestos Materials except Item 12 not	tes.		600 manuar en
I A s c	TICKES # 7(07.957			
PI		# AND		
SI	Certification of Receipt of asbestos materials covered by this ma		A Stormadorma	
AT	Charan Nin	10	/\II	V G 17
	A IMUIL MI	1 V	Showing	017112

MINERVA ENTERPRIBEB, IN	Lees, In		Ticket the	262891
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/09/2012
Waynesburg, OH 44669		Customer Name	Time:	9:60:14 AM
Fax: 330-866-3488		RT. Enorprises		- Annual Ann
Customer #.	T 86	Gross Weight:	\$ 26100	edenin apriliotra established between citization mineral established and design of the citization of t
Transporter:	Weigle/JCB	Tare Weight:	32160	
Truck Type:	Trailer dump	Net Weight(tens):	46.07	
Truck License #	,	Volume Recieved(yards):	10	1.00
Location:	MA, Amherst	Waste Type:	Non Friable	Non Friable Asbestes
Generator.	Davis Hall	Minerva Job #:	st,ma*nf-acm/pcb	
ME REP/P.O.#	ydh			
Accepted:	Yes	If No, this material was rejected for the following reasons.	reasons.	Part delice primery of a problem primery and a strong primery and a stro

centry the fall materials meet Stark County/ohlo EPA specifications.

Driver.

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state indifederal regulations.

Minewa Enterprises Representative:

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#24

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER		,
1. FACIL	ITY HAME Davis Hall	<b>1</b>	4C-00 4	
Address		OWNER'S NAME	orat Callaga	Owner's Phone:
	errill Science Drive		erst College	413-542-8189
laty Amh	nerst State MA zip 01002	The same of the sa	East Drive	Owner's Faxi
The state of the s		<sup>city</sup> Amherst	State MA Zip 01002	
G	2.CONTRACTOR or OPERATOR'S NAM	NCM Demolition & Re	modiation I D	Operator's Phone:
E	Address 14 Jewel Drive	NCIVI Demolition & Re	emediation, LF.	978-657-5445
N E R	city Wilmington	state Massachusetts	<sub>Zip</sub> 01887	OPERATOR'S Fax: 978-657-5995
A	3. Waste disposal Site (WDS): Hame, Mallin	ng Address, and physical location		Onsite Disposal
T	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE  4. Responsible Agency (Local, Dist)	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	
R		rict, State, or EPA Unice Wile	Address 1 Congress Street	
Petraph Chief	EPA New England		1 Congress Street	
description of a particular	aty: Boston	State Massachusetts	zip 02114-2023	
A STATE OF THE STA	5_ Description of Materials		6. Containers	7. Total Quantity
	Construction And Demolition Debri	S	NO: TYPE:	(Cubic Yards or Tons)
- Company	Concrete PCB Bulk Product		Duna	7
			The state of the s	
	8. Special Handling Instructions & Additiona	I Information		
THE PROPERTY OF THE PROPERTY O	The state of the s	i intornatori		
	9. Generator - Authorized Agent Certification			
chronique	proper shipping name and are classified, p	racked, marked, and labeled, and to acceptable international acd g		n for transportation by
chi quanti di sala	Printedityped same & title	3	Signature.	Month pay   Year
	KICHAND A. MER	ors State		8/8/2012
T	10.A Name of Transporter-1 (Verifies )	/	Printed or Typed Tame & Title	' Date:
R	Red Techn	ologies		
A	Address	Phone Fax 860-342-1022 / 860-342-1042		
S	1101 lokoming outout	000-342-1022 / 000-342-1042		
P	Portland, CT 06480		Signature	
0	10.8 Name of Transporter-2 (Verifies)	Receipt of above described materials)	Printed or Typed Name & Title	Date:
R		RANS		111
T E	Address 32 MILLER RD	Phone Fax 570906107/	0 10 -	8/8/12
R			Signature	// '
44 91 4		18834	Van seuf	
IF NO	TRANSPORTERS: ANY REJECTED OR NON-Listed or If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.8; Trans-			tion.)
SKIP				
13. Waste	Disposal Site Owner or Auth, Agent:		sta Facility Discrepancy Indication	Space
DF	Certification of Receipt of Asbestos Materials axcept item 12 no	otes.		
I A S C	Nangai	LATE		
PI	TICKET # OU O 7 7	A		
SI	Certification of Receipt of asbestos materials covered by this or		Signatura	Hopehi Dayli Year
AT	46/landa t	Tom U	MM «	19/12
ADDRESS OF THE REAL PROPERTY.				1 1

MINERVA ENTERPRIBES, IN	NOED, IN		Ticket &	262856
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	CFUC/00/80
Waynesburg, OH 44696		Customer Name		310310000
Ph. 330-868-3435			HINE.	1.30.24 AM
Fax: 330-066-3460		kt. Enoprises		
Customer #		Gross Weight:	113600	The state of the s
Tensporter	Wolfie Trucking	Tare Weight.	30440	
Truck Type:	Trailer dump	Net Weight(tons):	41.58	
Truck License #	102	Volume Recieved(yards):	200	
Location:	MA, Amhorst	Weste Type.	Non Friable Asbostos	sbastos
Свинитатог	Arnhorst Collogo	Minerva Job #	ret.ma*nf-acm/pcb	
ME REPJP.O.#	interior establish			
Accepted:	Yes If No.	If No, this material was rejected for the following reasons.	reasons.	

Divor

I certify that all materials meet Stark County/ohlo EPA specifications.

Minerva Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER		
1. FACIL	ITY HAME Davis Hall	A contraction of the contraction	AC-00 5	
Address		OWNER'S NAME	barat Callaga	Owner's Phone:
15 Me	errill Science Drive		herst College	413-542-8189
laty Amh	nerst State MA Zip 01002	The state of the s	East Drive	Owner's Foxo
		<sup>city</sup> Amherst	State MA Zip 01002	
G	2 CONTRACTOR CREDITATION_ ALSE			
E	2.CONTRACTOR or OPERATOR'S NAM Address 14 Jewel Drive	NCM Demolition & F	Remediation, LP.	Operator's Phone:
N	14 Jewel Dilve	Managahungtha	01007	978-657-5445
E	city Wilmington	State Massachusetts	<sub>Zip</sub> 01887	OPERATOR'S Fax: 978-657-5995
R				970-037-3333
A	<ol> <li>Waste disposal Site (WDS): Name, Mailin Minerva Enterprises, LLC</li> </ol>	ng Address, and physical location P.O. Box 709	Phone: 330-866-3435	Onsita Disposal
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-0709	Fax:330-866-3488	Yes or List:
R	4. Responsible Agency (Local, Dist.			
00-75 SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	Agency: EPA New England		Address 1 Congress Street	
P. C.	aty: Boston	State Massachusetts	00444 0000	
Table State	aty: Boston -	State Massachuseus	Zip 02114-2023	ALCO COMPANY
	5 Description of Materials		6. Containers	7. Total Quantity
and the state of t	Construction And Demolition Debri	s	NO: TYPE:	(Cubic Yards or Tons)
and	Concrete PCB Bulk Product Wo	Ste	Dung	7
Continues da				
THE COLUMN TWO IS NOT				
67 7 28 7 2 28 7 28 8 8 8 8 8 8 8 8 8 8 8	8. Special Handling Instructions & Additional	I Information:		discontinuo de la contractica del la contractica de la contractica del la contractica de la contractic
NAME OF THE PERSON OF THE PERS				
ica-ya-dayde	<ol> <li>Generator - Authorized Agent Certification</li> <li>proper shipping name and are classified, y</li> </ol>			
Profession of the Control of the Con		to acceptable international acd		or to the or to
and the second	rintedityped name & title		Signature.	Manthi Day   Your
	KICHARD A ME		and A han	8/8/201
T	10.A Name of Transporter-1 (Verifies		Printed or Typed Name & Title	/ Date:
R	Red Techn	ologies	,	THE PARTY OF THE P
A	Address	Phone Fax 860-342-1022 / 860-342-1042		ve unasystem
N S	11011ononing	000-342-1022 / 000-342-1042		A A
P	Portland, CT 06480		Signature	TELYMINAPART
0	10.8 Name of Transporter-2 (Verities	Receipt of above described materials)	Printed or Typed Name & Title	Date:
R	Weigh Trucking		hevin Begg	8.08.12
T E	274 Roynolds Rd	Phone Fax		80012
R			Signature A	rca represent
and a	Lindu Pa17774		our bear	
IF NO	TRANSPORTERS: ANY REJECTED CR NON-Listed I			stion.)
SKIP				s.Adedep.german.ac
13. Waste	Disposal Site Owner or Auth. Agent:	12. W	asta Facility Discrepancy Indication	n Spaca
DF	Certification of Receipt of Asbestos Materials except item 12 n	otes.		Providence
I A	3/0205/			90*************************************
PI	TICKET # 00295 6			
C L S I	Cartification of Receipt of asbestos materials covered by this of	_	lacedown	Sandal Bay I Vans
AT	M. The of D	Lis	Z Z Mi	Monthi Day I Year
L T	MISINALO	TH	1 males	0-11-
			17	

MINERVA ENTERPRIBES, IN	N SES		Ticket &	202054
9000 Minerya Rd. P.O. Box 709	30x 700		Date:	08/09/2012
Waynesburg, OH 44666		Customer Name	Time:	9:15:46 AM
Fax: 330-866-3488		RTL Enteprises		
Customer #:	A A A A A A A A A A A A A A A A A A A	Gross Weight:	119920	To communicate the contract of
Transporterr	Brant Brown Trucki	Tare Weight:	33720	
Truck Type:	Trailer dump	Net Weight(tons):	43.1	
Truck License #	624	Volume Recieved(yards):	08	
Location:	MA, Amherst	Waste Type:	Non Friabl	Non Friable Asbestos
Generator:	Davis Hall	Minerva Job #	st,ma*nf-acm/pcb	,
ME REP/P.O.#	pis			
Accepted:	Yes IFNo, th	If No, this material was rejected for the following reasons.	raasons.	

| certify that all materials meet Stark County/ohio EPA specifications.

Minerva Enterprises Representative:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

WAST	E SHIPMENT RECORD	DOCUMENT NUMBE	R	The state of the s		
1. FACIL	ITY HAME Davis Hall			AC-00 6		
	errill Science Drive nerst state MA zip 01002	OWNER'S NAME Address  City Amherst		nerst College East Drive State MA	Zip 01002	Owner's Phone: 413-542-8189 Owner's Faxo
G	2.CONTRACTOR or OPERATOR'S NAM	E				Operator's Phone:
E	Address 14 Jewel Drive	NCM Demoli	ition & Re	emediation, LP.		978-657-5445
N	city Wilmington	state Massachuse	tts	zin 01887		
E	The second secon	State Massachasc		Ztp 01001		OPERATOR's Fax: 978-657-5995
A	3. Waste disposal Sita (WDS): Name, Mallin	an Addanas and wheeler	-11 41			
T	Minerva Enterprises, LLC	P.O. Box 709	ar location	Phone: 330-866-3435		Onsite Disposal Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 446	88-0709	Fax:330-866-3488		109.
R	4. Responsible Agency (Local, Dist)				sent)	
es-podepido	Agenty: EPA New England			Address 1 Congress	Street	
an and an analysis of the same	aty: Boston	State Massachuse	tts	Zip 02114-2023		
	5_ Description of Materials			6. Containers		7. Total Quantity
	Construction And Demolition Debri	S		NO:	TYPE:	(Cubic Yards or Tons)
	Concrete PCB Bulk Product					
CONTRACTOR	8. Special Handling Instructions & Additiona	Il Information:				
	<ol> <li>Generator - Authorized Agent Certification proper shipping name and are classified, p</li> </ol>	n: I hereby declare that sacked marked and I	t the conter	nts of this consignment	are fully and a	accurately described by
	highway	to acceptable internat	ional and g	overnmental regulations	r pher courago	if for transportation by
	Printadayped name & iliia			Signature		Manthi Day Year
1	KICHAND A. MEA	ar (	LICE	and alle	0.4.	X /8/2012
	10.A Name of Transporter-1 (Verifies F		erials	Printed or Typed Name	& Title	Date:
T R	Red Techn		1		cen	8-8-12
A			Fax	Conjuerus		0 0 1
N	4	860-342-1022 / 860-	1	(177. me		
S	Portland, CT 06480			Signature 5	Bu	
0	10.3 Name of Transporter-2 (Verilles I	faceint of above described mat	arinis)	Orintad as Tunad Nama	7 Tilla	Date:
R	27 1 00	,		Printed or Typed Name	of Title	
7	Address Areser (11)	912-35 77	3685	Jana Ja		8-8-17
E	Carlina a					
R	SAHISTOWN PA	15687		Signature S	By	
11.ALL	TRANSPORTERS: ANY REJECTED OR NON-Listed IN	naterials <u>ADDED or REMOVED</u>	during transit? (	EXCEPT Correcting Material Weig	ht at loading locat	ion.)
	If Yes (LIST & Identify Transporter -10.A : Trans-1 or 10.8: Tra	ans-2 ) Destination Facility for P	lejected Material	ls: Driver Name		
SKIP	Disposal Site Owner or Auth, Agent:					
	Certification of Receipt of Asbestos Materials except Item 12 no	ntes.	12. Was	te Facility Discrepand	y Indication	Spaca
DF IA						
sc	TICKET # 7(07 0X()					
PI	Cartification of Receipt of asbestos materials covered by this m	anifest event as acted in trans	13	Reconstructs on an activation of the product of the production of		
SI	Printed/typed name -		A	Signatura	A	dontişi Day i Year
LY	MAYOU DAIN	Y\ 0		1 11 11 11 0		2/9/17
STREET, STREET	Jimor Jimor		$\sim$	MUNUM TO THE TOTAL PROPERTY OF THE TOTAL PRO		01116

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		KII	ME REP/P.O.#
ret,ma*nf-acm/pcb	Mingiva Job #	Arriherst College	Ganerator.
Non Finds Astostos	Weste Type:		Lecaling
£3	Volume Raciaved(yards):		truck License &
42.26	Net Weight(tons):	Trailer dump	Truck Type:
32420	Tare Weight:	Warch	Transportorr
116940	Gross Weight:	769	Customor#.

WALGITT 3 Driver

Minova Enterprises Representative: Lourify that all materials meet Stark County/ohio EPA specifications.

If No, this material was rejected for the following reasons.

Accepted:

This certifies that the waste specified on this ticket has been properly disposed of in accordance with all local, state and federal regulations.

	E SHIPMENT RECORD	DOCUMENT NUMBER	AC-0017	
Address	ITY HAME Davis Hall	OWNER'S NAME	M 3/48/18	Owner's Phone:
1 / 1	errill Science Drive		etst Coffege	413-542-8189
city Amh	nerst state MA zip 01002	<b>6</b> E	East Drive	Owner's Fax
	, одникурно од 1 одни именеро филорогорово. Одни во со пода стор сторостор со одностор бого со од сторостор со	<sup>city</sup> Amherst	State MA Zin 01002	
G	2.CONTRACTOR or OPERATOR'S NAM	<u> </u>	31001	Operator's Phone:
E	Address 14 Jewel Drive	NCM Demolition & Re	emediation, LP.	978-657-5445
N E	city Wilmington	state Massachusetts	<sub>Zip</sub> 01887	OPERATOR'S Fax:
R				978-657-5995
A	3. Wasta disposal Sita (WDS): Name, Mailin	ng Address, and physical location		Onsite Disposal
T o	Minerva Enterprises, LLC // 8955 Minerva Road SE	P.D. Box 709 8588 968	Phone: 330-866-3435 9VOS	Yes or List:
RI-	A. Responsible Agency (Local, Dist	Waynesburg, Ohio 44688-0709 rict, State, or EPA Office who		
	Aganty: EPA New England	1	Address 1 Congress Street I	-7
	aty: Boston	State Massachusetts	zip 02114-2023	
		state ivideodoridootto	Zip UZ 1 14-2UZ3	
*	5. Description of Materials		6. Containers	7. Total Quantity
TO SECURE	Construction And Demolition Debri Concrete PCB Bulk Product	S	NO: TYPE;	(Cubic Yards or Tons)
SIME	18/8 and De	Maken	MAY 11/ (1 CVOH	2/
	8. Special Handling Instructions & Additiona	al Information:		1
Baldy of the American				
	9. Generator -Authorized Agent Certification proper shipping name and are classified, p			
	highway	to acceptable international and g	overnmental regulations.	
	Printodityped name & शर्धे e		Signature	Monthi Day   Year
T	10.A Name of Transporter 1 (Verifies	Receipt of above described materials)	Printed or Typed Name & Title	Date:
R	Red Techin	ologies 315	4M	
N	Address 173 Pickering Street	Phone Fax 860-342-1022 / 860-342-1042		
S	Portland, CT 06480		Signature	<b>a</b> 1
P				
O R	10.8 Name of Transporter-2 (Verifles	Receipt of above described materials)	Printed or Typed Name & Title WICHAM WLIGHT	Date:
7	Address	Phone Fax	Will will be a second	
E	Address SAUSBURL PA	SU> 128888	0:	0
R	200		Signature //	
11.ALL If NO	TRANSPORTERS: ANY REJECTED OR NON-Listed of If Yes (LIST & identify Transporter - 10.A : Trans-1 or 10.8; Tr	materials <u>ADDED or REMOVED</u> during transit?	(EXCEPT Correcting Material Weight at loading localise Oriver Name	tion.)
SKIP		With a your restriction of the best a material	MITTO METERS	
13. Waste	Disposal Site Owner or Auth, Agent:		sta Facility Discrepancy Indication	1 Spaca
DF	Certification of Receipt of Asbestos Materiala except item 12 n	otes.		
SC	TICKET # 262045			
PI	Certification of Receipt of asbestos materials covered by this n	nanifest eyent as noted in Itom 13		
SI	Printadityped name -		Signature / V	Monthi Day   Year
LY	KMStinalo	HAD	HXGHO :	210-12
	<i>F</i>	Landan arang personal di dia dia mandri di dia mandri di di di di dia di		Santa de la constante de la co

WHITE SIGNATURE Page MUST STAY ATTACHED! Until Delivery to MINERVA Facility (White, Yellow, Pink Gold)
White: Generator - Yellow: WDS - Pink: Transporter 1 - Gold: Transporter 2 - Blue: Contractor - [Green: Gen. REMAINS at Shipment]

MINERYA ENTERPRISES, IN	ABED. N		Ticket &	262978
9000 Minerva Rd. P.O. Box 709	Box 709		Date:	08/00/2012
Waynesburn, OH 4466B		Customer Name		20000000000000000000000000000000000000
Ph. 330-866-3435			Time:	8:51:18 AM
Fax: 330-866-3488		RTL Entorprises		
Customer #:	TEGO	Gross Weight:	95660	entra descripto por estado empleado parte entra estado con estado entra
Transporter	Waigla Trucking /	Tare Weight:	27580	
Truck Type:	Trailer dump	Net Weight(tons):	34.04	
Truck License	563	Volume Recieved(yards):	89	٤O
Location:	MA, Amherst	Waste Type:	Non Friabl	Non Friable Asbestos
Ganerator:	Davis Hall	Minerva Job #	st,ma*nf-acm/pcb	
ME REP/P, O.#.	725			

Winewa Enterprises Representative:

I certify that all materials most Stark' County/ohlo EPA specifications.

Driver.

If No, this material was pajected for the following reasons.

> 4

Accopted:

This certifies that the waste specified on this ficket has been properly disposed of in accordance with all local, state and federal regulations.

401	CT LIN
Owner's Phone: 413 542 - 8189 Owner's Fax:	
Operator's Phone: 978 657 - 5445 OPERATOR'S FAX: 978 657 - 5995	
<u>Onsite Disposal</u> <u>Yes</u> or List:	
S STREET	
.3	
7. Total Quantity (Cubic Yards or Tons)	
nd accurately described by dition for transportation by	
Monthi Day   Year	

WAST	E SHIPMENT RECORD	DOCUMENT NUMBER		7.
	1.2		B 12695	
	ITY NAME DAVIS HALL			Oursel-Bhana 1117
Address	ERRILL SCIENCE DR	Address AME	ERST COLLEGE	Owner's Phone: 413
10 MIE	CALIFORNIA OF	la la	EAST DRIVE	
City	State Zip		State 7in	Owner's Fax:
AMH	ERST MA 0100Z	City And 11 TD (	2.0	
	2.CONTRACTOR or OPERATOR'S NAM	AMATERSI	1117 01004	
G -	2.CONTRACTOR or OPERATOR'S NAM	ENCM DEMOLITI	ON + KEMEDIAI KN, L	P Operator's Phone: 978
E	Address 14 JEWEL DR.			657-5445
E	City	State	Zip	OPERATOR'S Fax: 978
R	WILMINGTON MI	45SALHUSETTS	01887	457-5995
A	3. Waste disposal Site (WDS): Name, Mailin			Onsite Disposal
7	Minerva Enterprises, LLC	P.O. Box 709	Phone: 330-866-3435	Yes or List:
0	8955 Minerva Road SE	Waynesburg, Ohio 44688-070	Fax:330-866-3488	
R	4. Responsible Agency (Local, Dist		where notification was sent)	
	Agency: EPA NEW ENG	LANO	Address 1 CONGRES	SS STREET
	City:	State	Zip	
	BOSTON M	ASSALHUSETD	02114-202	23
	5. Description of Materials	MITTER 1 DEON	6. Containers	7. Total Quantity
	CONSTRUCTION + DEN	MOLITION DEDI	NO: TYPE:	(Cubic Yards or Tons)
	CONCRETE PLB BUL	L PRODUCT	NAMP	65
90				
	8. Special Handling Instructions & Addition	al Information:		
anceration of	ALCOHOLOGICAL CONTRACTOR CONTRACT			
THE PERSON NAMED IN COLUMN TO PERSON NAMED I	9. Generator -Authorized Agent Certification			
	proper shipping name and are classified,			dition for transportation by
	Printedityped name & title	y to acceptable international	and governmental regulations.	Monthi Day I Year
The state of the			1, alla	0/0/
	NCHARD HT. MEZ	TO X	ichard ( ) lears	0/8/2012
T		Receipt of above described materials	Printed or Typed Name & Title	/ Date:
R	PED TECHNO		8	7-8-12
A	Address 173 PICKERING ST.	Phone S/D Fax 8	603	
N	173 PICKERING ST.	342-10ZZ 34Z-	1042 11 1	) //
s	Design of Al-LON		Signature	
P	PORTLAND, CT06480		Ashell ()	een stl
0	10.B Name of Transporter-2 (Verifie		Printed or Typed Name & Title	S 12 Date:
R	Weigle / cooldin			8.2
7	Address Potrald Pil	Phone 36-5438	10	// -
E R				
K	Willowspoit to Tre	10K383-D-40	1 Hollid Deenl	h
11.ALL	. TRANSPORTERS: ANY REJECTED OR NON-Liste	d materials ADDED or REMOVED during	transit? (EXCEPT Correcting Material Weight at loadi	ng location.)
If NO	If Yes (LIST & Identify Transporter -10.A: Trans-1 or 10.B:	Trans-2 ) Destination Facility for Rejected	Materials: Driver Name	
SKIP				-4 S-222
13. Was	te Disposal Site Owner or Auth. Agent:    Certification of Receipt of Asbestos Materials except item 12	- I	2. Waste Facility Discrepancy Indic	cation Space
D F				
SC	710757 # 710707X			
PI	TICKET # 202978			
O L S I	Certification of Receipt of asbestos materials covered by th		Signatur	Monthi Day I Vaar
и	Printedityped name	- WUS racility	Signature	Month, Day   Year
AT		10 10 0	// // /	
A T L Y	Sharon Du	nne	Skunne	819112

5   1	FILINIFORM MATADRALIC I							F.	arm Anneau	A CHECK	
ξIJ	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	985367	2. Page 1 of 1	B. Emergency Respo	nse Phone	4. Manife	st Tracking	orm Approv	eu. OMB P	0. 2050-00
www ennes com	5. Generator's Name and Mailin	n Address		1 1 1	200-961	-11/	) h c	1 6	536:	20	GBI
<u> </u>	5. Generator's Name and Mailin Amnerst College	g nadiess	Att: Rich	ard MearsG	enerator's Site Addin	temoffit fit ese	than mailing add	ess)	<u> </u>	39	GDI
ž	6 East Drive Amherst MA 010	000			Amherst Coll 15 Merrill Sci	eae		,			
١ ١					Amherst MA	ence Uni Otopo	⁄e				
ł I I	Generator's Phone: 4 1 6. Transporter 1 Company Name	<u>3 542-8</u>	189			01002					
íll	GOULET TRUC	KING					U.S. EPA ID	Number			
Ш	7. Transporter 2 Company Name			_					0 0	060	2 0
Ш	I sompany name						U.S. EPA ID				<del></del>
-11	8. Designated Facility Name and	Sito Address					!				
-11	I WATNE DISPOS	AL INC					U.S. EPA ID	Number			
	49350 N., I-94 SE	RVICE DRIVE									
	BELLEVILLE MI Facility's Phone: 800 59	48111									
							I M L	D 0 4	8 0 8	0 n e	2 2
111	9a. 9b. U.S. DOT Description HM and Packing Group (if an)	(including Proper Shipping Nar	ne, Hazard Class, ID Number,		10. Conta	ainers			7	9 0 0	3 3
111					No.	Type	l 11. Total Quantity	12. Unit Wt./Vol.	13	Waste Cod	es
GENERATOR -	<b>X</b> 9, PGII	Pelychlorinated biphe	enyls, solid			<del>                                     </del>		71	├──		
3	~ ]				<b>j</b>	1 1	3000		MA02		ŀ
GENERATOR	2.				_L	CM		K	PCB1	1	7
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Ш						1		l	<u> </u>		
<u> </u>	4.										
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Ш					1	1 1		J			
7	14. Special Handling Instructions an	rd Additional Information			<u> </u>	L 1		- 1	i		
	APPRING # H 12 5. GENERATOR'S OFFEROR'S	OI32WDI	,		T OF SERV			7	₩PRO JO	ERG	
	<ol> <li>GENERATOR'S/OFFEROR'S' marked and labeled/placarded, Exporter I certify that the content</li> </ol>	CERTIFICATION: I hereby dec and are in all respects in proper	clare that the contents of this co	nsignmen <del>t are fol</del> ling to applicable in	y and accurately desiternational and natio	scribed above b	y the proper ship	7	√PROJO and are clas	- - 10#-	
	<ol> <li>GENERATOR'S/OFFEROR'S marked and labeled/placarded, Exporter, I certify that the conte I certify that the waste minimiza</li> </ol>	CERTIFICATION: I hereby dec and are in all respects in proper ents of this consignment conformation statement identified in an a	clare that the contents of this co	nsignmen <del>t are fol</del> ling to applicable in	y and accurately desiternational and natio	scribed above b	y the proper ship	7	₩PRO JO and are class ment and La	- - 10#-	
	<ol> <li>GENERATOR'S NOFFEROR'S marked and labeled/placarded, Exporter, I certify that the conte exporter, I certify that the waste minimize ceperator's Differor's Printed/Typed I</li> </ol>	CERTIFICATION: I hereby dec and are in all respects in proper ents of this consignment conformation statement identified in an a	clare that the contents of this co	nsignmen <del>t are fol</del> ling to applicable in	y and accurately desiternational and natio	scribed above b	y the proper ship	7		B# EVI sified, packa on the Prima	-470 <b>3</b>
Į į	5. GENERATOR'S OFFEROR'S marked and labeled/placarded, Exporter, I cartify that the content I certify that the waste minimize perature of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the	CERTIFICATION: I hereby dec and are in all respects in proper ents of this consignment conformation statement identified in an a	clare that the contents of this co	nsignment <del>are foli</del> ingut applicable ir A Acknowledgme uantity generator)	y and accurately des temational and natio int of Consent. or (6) (if) am a smal	scribed above b	y the proper ship ital regulations, if itor) is true.	EN ping name, export ship	₩PRO JO: and are class ment and I a	B# EVI sified, packa on the Prima	
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## FOR MANIFESTED PCB WASTE

This certificate is to verify the wastes identified as  $(RB \leq NA)$ 

and specified on Manifest # 0015536396 BF, Line Item has been landfilled on

DISPOSAL

20/2 in accordance with all local, state and federal regulations by: 09-13

## Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

OE

49350 N. I-94 Service Drive, Belleville, Michigan 48111 Telephone: 1-800-KWALITY (592-5489)

Fax: 1-800-KWALFAX (592-5329)

1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy. I certify as the company official Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. having supervisory responsibility for the persons who are acting under my direct instructions made the verification that this information s true accurate and complete.

**SICATE** 

Authorized Signature:

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. 1-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

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